MARYVILLE COLLEGE

Catalog
1990-1992

Accreditation

Maryville College is accredited by the Southern Association of Colleges and Schools, the regional accrediting agency. The National Association of Schools of Music accredits the major programs in music education and performance. The College's programs in teacher education are approved by the Tennessee Department of Education.

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Maryville, TN 37801

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1-800-456-8150

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Statement of Purpose

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense to vocation.

To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action.

Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the Presbyterian Church USA in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Adopted April 1980

Maryville College: Past and Present

As Maryville College looks to the future it is building on a distinguished past.

Founded in 1819 under the direction of the Presbyterian Church, it welcomes men and women of all faiths and ethnic backgrounds. It is the twelfth oldest institution of higher education in the South.

In 1875 Maryville was the first college in Tennessee to award a B.A. degree to a woman. In May 1954, when state segregation laws were struck down by the United States Supreme Court, the College returned immediately to its earlier policy of admitting students of all races.

The College owes its existence to the vision and perseverance of the Reverend Isaac Anderson, a circuit-riding Presbyterian minister. He believed that what was then called the southern wilderness needed trained ministers and teachers, and he presented his case to the Synod of Tennessee of the Presbyterian Church. The Synod voted to establish in Maryville the Southern and Western Theological Seminary which became Maryville College.

The College is committed to being one of the finest liberal arts colleges in the South and the finest liberal arts college in East Tennessee.

A Maryville education provides a range of intellectual skills, a breadth of knowledge and understanding and a firm base for intensive study in a major field. It also helps the student become culturally aware, service-oriented and consciously ethical with a real concern for values and a capacity for life-long learning.

Maryville's expanding curriculum is revamped frequently to help develop these attitudes and the skills and knowledge needed to live a successful, productive and satisfying life. The College has also tried to internationalize the curriculum to prepare the student for the global environment which marks today's world.

Along with its dedication to academic excellence, Maryville offers the student an opportunity to interact with highly qualified, committed faculty and receive individual attention and assistance during the college years.

Openness has been one hallmark of Maryville's history; creative response to changing needs and circumstances has also been characteristic. Maryville has developed a system of campus governance with a student senate, which enables students to share in decision making.

The College's concern for students as individuals is reflected in its counseling services. Junior or senior resident assistants are available on each floor of each residence hall. Academic advisers, assigned at the start of the freshman year, help in selecting a major course of study and with other academic or personal problems.

The College also provides trained counselors at the Life Enrichment Center whose services are free. The College Chaplain is always available for help and counseling.

Educational Goals

Maryville College seeks to be an instrument of liberation and growth for its students, within the context of the college's stated purpose. The curriculum, and the co-curriculum as well, should be designed to help students emerge into personhood, to become fully human. That overarching purpose might be approached in a number of ways and with diverse combinations of courses and programs. Whatever its structure, however, a curriculum should be based on a clear and widely-held understanding of what it seeks to achieve. To arrive at such an understanding, those responsible for forming the curriculum must concern themselves first with desired outcomes. The following is an attempt to

state such goals—to delineate the outlooks and perspectives characteristic of a free and responsible person, to specify the personal competencies necessary for coping with a world of uncertainty and accelerating change, to suggest the knowledge and insights that should inform an educated mind.

Attitudes

1. A sense of wonder and a willingness to explore that will facilitate life-long learning.
2. An attitude toward leisure which recognizes (a) the necessity of recreation, (b) the value of creative play, and (c) the opportunities for personal growth and social service.
3. A well-developed social conscience and a commitment to responsible citizenship.
4. Self-confidence, poise, and courage in the face of complexity, change, ambiguity, and adversity.
5. Sensitivity and responsiveness to the individuality and needs of persons of other cultures as well as one's own.
6. An outlook on one's life which brings together its rational, emotional, physical, and spiritual aspects.
7 A view of one's self as being in relationship with nature, society and Divinity.
8. An attitude toward work which embodies a sense of vocation, permits the satisfaction of accomplishment, and recognizes the necessity and dignity of labor as a means of service to present and future generations.

Skills

1. Ability to observe, read, and listen with discernment.
2. Ability to think critically and analytically on matters both concrete and abstract.
3. Ability to see relationships, to theorize, to synthesize information.
4. Ability to express oneself clearly and persuasively in writing and speaking.
5. Skills necessary to interpret and use quantitative information.
6. Sufficient skill in a second language to carry on basic communication.
7. Ability to accomplish specific tasks and larger goals with little or no supervision; to be self-reliant.
8. Ability to weigh matters of moral choice and arrive at responsible conclusions.
9. Skills to search for and obtain employment suitable to one's talents and interests.

Knowledge

1. Understanding of the principal approaches to knowledge in order to (a) appreciate the complex relationships of all knowledge, and (b) comprehend the tentativeness of all knowledge.
2. An understanding of man as an aesthetic creature, founded on

sufficient familiarity with artistic achievement, language, and experience (a) to know at first hand the discipline and joy of creation in some medium, (b) to develop an openness and sensitivity to the artistic efforts of others, and (c) to find pleasure and stimulation in serveral modes of aesthetic expression, either by direct participation or interaction.

3. Knowledge of Western history adequate to promote historical thinking and perspective (i.e., to place people, events, major developments and cultural heritage in proper temporal and spatial context), and to provide a shared past as a basis for communication and community.

4. Sufficient acquaintance with a society or culture outside one's own tradition (e.g., for American students, West African, East African, West Asian, East Asian) to be ablē to (a) define oneself more fully, (b) appreciate the other culture and cultural diversity, (c) engage in cross-cultural dialogue.

5. Sufficient understanding of scientific principles to permit (a) comprehension of fundamental physical processes, (b) awareness of the role of science and technology in contemporary life, and (c) recognition of the potentials and limitations of modern scientific methods.

6. An understanding of the role of religion in human life sufficient to (a) enter into the beliefs and traditions of others and engage in dialogue with them, (b) recognize the interaction between religion and society, (c) clarify and place in perspective Judeo-Christian tenets and practices.

7. Understanding of the structure and functioning of the principal institutions of U.S. society, including government, business and finance, the press, education, religion, and the family.

8. An understanding of human beings as developing individuals, both psychologically and physically, to facilitate holistic health and personal growth.

9. Awareness of one's own talents, potential, limitations, and values, so as to develop a clear sense of self, articulated aspirations, and personal effectiveness in a variety of social and physical situations.

10. Knowledge of some field in sufficient depth to (a) understand what it means to know something well and (b) enable the qualified student to pursue further study on the post-baccalaureate level.

The Academic Year

The academic year extends from late August to the latter part of May. The year is divided into two 15-week semesters and a three-week interim period in January. Beyond the academic year, the College offers two summer sessions of three weeks duration and two summer evening sessions of five weeks duration.

The College's continuing education program operates on the same calendar but some courses meet for only half the semester in a more concentrated format. For more details, consult the annual bulletin of the Maryville College Continuing Education Degree Program.

1990-91 Calendar

	FALL SEMESTER
Aug. 31	Residence halls open for freshmen Orientation for new students begins
Sept. 4	Registration for new students
Sept. 5	Registration for returning students
Sept. 6, 8 a.m.	Classes begin
11:15 a.m	Opening Convocation
Sept. 18, 7 p.m	English proficiency exam for sophomores
Oct. 5-6	Parents Weekend
Oct. 10	Last day to withdraw from a course and receive a grade of "W"
Oct. 12-14	Long weekend
Oct. 27	Homecoming
Oct. 31	Last day to withdraw from a course and receive a grade of "WP" or "WF"
Nov. 8-9, 2 p.m.	Comprehensive exams for graduating seniors
Nov. 21-25	Thanksgiving vacation
Dec. 13	Classes end
Dec. 14-18	Examination period
Dec. 18, 9 p.m.	Residence halls close
	INTERIM
Jan. 6	Residence halls open
Jan. 7	Registration 8 a.m to noon. Classes begin 1 p.m.
Jan. 25	Classes end
	SPRING SEMESTER
Jan. 28	Registration for new students
Jan. 29	Registration for returning students
Jan. 30, 8 a.m.	Classes begin
Jan. 31, 11:15 a.m	Spring Convocation
Feb. 5, 7 p.m.	English proficiency exam for sophomores
Feb. 19-21	February meetings

March 5	Last day to withdraw from a course and receive a grade of "W"
March 23-31	Spring break
April 3	Last day to withdraw from a course and receive a grade of "WP" or "WF"
April 18-19, 2 p.m.	Comprehensive exams for graduating seniors
May 10, 10 p.m.	Classes end
May 13-16	Examination period
May 19, 9:30 a.m.	Baccalaureate
2:30 p.m	172nd Commencement
9 p.m.	Residence halls close

ALTERNATE INTERIM: May 20-June 8

SUMMER TERM

May 22-June 12	First three-week term
June 13-July 3	Second three-week term
May 22-July 3	Six-week term

Admissions

Admissions Procedures

Admission to Maryville is moderately selective. Students are admitted based on academic criteria, extracurricular interests, and personal achievement, without regard to financial need.

The College operates on a rolling admissions calendar, and eligible students are admitted beginning in September of each year. Students who wish to apply to Maryville College should follow the application procedure below.

A. To apply for admission as a freshman directly from high school, the student should submit the following items:

1. Application for admission. Students pay a nonrefundable $15 application fee.
2. Official transcript of high school work.
3. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.

When the file is complete, the student's application will be evaluated and a decision communicated to him or her as quickly as possible.

B. To apply for admission as a transfer, the student should submit the following items:

1 Application for admission. Students pay a $15 nonrefundable application fee.
2. Official secondary school transcript mailed by the high school.
3. Official transcript from EACH college attended.
4. Scores from either the American College Testing Program (ACT) or the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board.
5. Student Evaluation Form: This form is included with the application and must be completed by the Student Development Office at the last college attended.
6. Financial Aid Transcript: This form is obtained from either the Maryville College Office of Admissions or Financial Aid. The student should submit a form from EACH college attended.

Transfer students are notified regarding admission as soon as all of the documents have been received and fully evaluated. An estimate of transfer credits can be furnished at any time.

C. To apply as an international student, the applicant should submit the following forms:

1. Application for admission. Students pay a $15 nonrefundable application fee. International students are discouraged from entering Maryville in January.
2. Official transcript from the secondary school showing 12 years of coursework or more. This document should be in English.
3. Score from Test of English as a Foreign Language (TOEFL). A 525

score is required for full-time admission into the day program.

4. Letter or statement of financial responsibility certifying total resources and who will pay the student's educational and living expenses.

Students who are not proficient in English may request admission to the Center for English Language Learning.

High School Students

Normally the requirement for admission is the satisfactory completion of a four-year course of at least 15 units in a secondary school approved by a recognized approving agency, or equivalent preparation demonstrated through examination. The secondary school credits should include:

1. Four years of English (The senior English composition course is especially important.)
2. One year of laboratory science such as biology, chemistry, physics, earth science.
3. Two years of algebra or one year of algebra and one year of geometry.
4. One year of social studies or history.
5. At least five elective academic units among the following: mathematics (excluding general mathematics and arithmetic), science, social studies, foreign languages, Bible and music theory.
6. Although foreign language is not required for admission, it is strongly recommended. Entrance credit in a foreign language will not be allowed for fewer than two units in one language.

Transfer Applicants/Transfer Credit

Students who have completed coursework at another regionally accredited college/university may be considered for entry to Maryville College in either the fall or spring semester in accordance with the following guidelines:

1. A transfer applicant who would have been admissible at Maryville College as a first-time freshman will be admitted with at least a 2.0 (C) or better grade point average attained in college work.
2. A transfer applicant who was inadmissible as a first-time freshman must present a minimum grade average of 2.5 (C+) in at least 30 semester hours or the equivalent credit hours. The majority of the coursework must be in college-level academic subjects. A student in this category who has completed fewer than 30 semester hours at another accredited institution may be considered on an individual basis provided he/she has achieved better than a 2.5 grade point average in regular academic courses. Generally, regular academic courses in which the student has earned a grade of "C" or above will be transferred and applied toward graduation requirements. For graduation, students will need to satisfy the requirements listed in the degree requirements section of this catalog.

The Office of the Registrar is responsible for evaluating transfer credits and will be as flexible as possible in evaluating coursework

successfully completed at other regionally accredited institutions.

International Students

In order to receive admission to Maryville, students from other countries should present a strong record of achievement. English proficiency is measured by the TOEFL test, which can be taken in the student's home country, or the MICHIGAN test, which is required of all international students at the beginning of each semester. A minimum TOEFL score of 525 or a MICHIGAN test score of 80 is required for full-time study; students with slightly lower TOEFL scores or MICHIGAN scores above 70 may begin part-time study while continuing English studies in Maryville's Center for English Language Learning. Students with lower English proficiency will be offered admission to the CELL program and will be required to complete an appropriate level of English study before entering the College's academic program.

International applicants should send financial records showing ability to pay all costs for one year along with their applications and academic records. In addition, a tuition deposit may be required before the College will accept and issue I-20 forms to international students.

Veterans

Maryville College welcomes veterans who would like to begin or continue their college education. The College will accept courses from the Community College of the Air Force and will evaluate other military coursework using the American Council on Education Guide to the Evaluation of Educational Experiences in the Armed Services. Credit is granted for coursework comparable to Maryville College course offerings. No more than 12 credit hours of military coursework is accepted.

Early Admission

Students who have completed the junior year of high school may request consideration for early admission. It is important to furnish evidence of a strong high school record and above average test scores, as well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college study. A personal interview with an admissions officer is mandatory.

Qualified local high school seniors who have time in their schedules for additional courses are encouraged to enroll on a part-time basis. These students may obtain full details, upon request, from the Dean of Admissions.

Withdrawal Procedure

If a student plans to withdraw from the College, the Office of Student Development and the Business Office must be notified and an official

withdrawal process completed. Failure to attend class does not automatically withdraw or drop a student from a class or the College.

Should a student decide during the year or at the close of the year to terminate enrollment at Maryville, the procedure is as follows: (1) Arrange for an exit interview in the Office of Student Development. (2) Secure from the Office of Student Development a check-out sheet for various areas of the College. (3) Have each area on the sheet signed. (4) Return the sheet along with I.D. card to the Business Office. Should a refund be in order, the Business Office will make the appropriate adjustment.

Credit by Examination

1. Advanced Placement Examination Program of the College Entrance Examination Board: Students who have taken college-level courses in high school and have made a score of 3 or above on one or more AP examinations will be eligible for placement in advanced courses and may be granted college credit upon approval of the instructional departments involved.

2. College Level Examination Program (CLEP): Listed below are the subject examinations. Usually if a student's score is at least at the 50th percentile, he or she can expect to receive credit for the designated course(s). The College urges applicants to submit these tests no later than the summer prior to their freshman year.

3. American College Testing Program Proficiency Examinations. Listed below are the proficiency examinations. In most fields a score of 45 is considered passing.

CLEP Subject Examinations

American Literature
Analysis and Interpretation of Literature
College Composition
English Literature
Freshman English

Calculus with Elementary Functions
Collge algebra
Trigonometry
College Algebra-Trigonometry
General Biology
General Chemistry*

Computers and Data Processing
Introduction to Management
Introductory Accounting
Introductory Business Law
Introductory Mareting
Introductory Micro- and Macroeconomics

American Government
American History I
American History II
Western Civilization
Western Civilization II
Educational Psychology
General Psychology
Human Growth and Development
Introductory Sociology

College French—levels I & II
College German—levels I & II
College Spanish—levels I & II

ACT Proficiency Examinations

Abnormal Psychology
Management of Human Resources

Afro-American History
American History
Anatomy and Physiology
Earth Science
Foundations of Gerontology

Freshman English
Microbiology
Physical Geology
Shakespeare
Statistics
Accounting
Finance
Management of Human Resources—level II
Management of Human Resources—level III
Marketing—level I
Operations Management
Business Policy
Educational Psychology
History of American Education
Reading Instruction in the Elementary School
Corrective and Remedial Instruction in Reading

*Provides six hours of course credit. To obtain credit for additional two hours of laboratory experience, students must either:

(1) demonstrate satisfactory knowledge of laboratory techniques or

(2) enroll in the laboratory portion of general chemistry and complete it satisfactorily.

Non-Traditional Modes of Learning

No more than 32 credit hours may be counted toward graduation requirements for any combination of credit by examination, military coursework, instructional television or other non-traditional modes of learning.

Continuing Education Degree Program

Maryville College believes that the benefits of a liberal arts education should be available to mature adults. To this end, the College offers degree and certification programs which build upon adult experiences, interests and aspirations. Classes meet evenings or on the weekend. For details, interested persons should contact the Office of Continuing Education.

The Center for English Language Learning (MC CELL)

The Center for English Language Learning is an intensive English language program for international students, with language instruction on all levels. Students who need English as a second language for either professional or academic purposes are placed individually into one of five different levels. Four levels are full-time and one is part-time (taken while enrolled in regular College courses). Each level consists of 10 weeks of instruction, divided into two five-week sessions.

Students who enter Maryville College after completion of the program are granted college credit (up to nine hours) for the work done in MC CELL. If all other requirements for admission into the College are

met, enrollment into the College may be accomplished by completing the English program, by scoring over 80 on the Michigan Test, or by scoring over 525 on the TOEFL test.

All students share the same privileges and responsibilities as Maryville College students, and they are encouraged to participate in campus-wide activities. The MC CELL program also sponsors activities during each session. Students are housed in the College residence halls.

Students interested in knowing more about MC CELL should write to the Director of MC CELL, Box 2898, Maryville College, Maryville, TN 37901 USA. FAX number: 615-983-0581.

Expenses

Each student is charged tuition and fees which cover approximately 60 percent of the cost of services received from the College. The remainder of these costs is met by endowment income and by gifts from board members, alumni, and other friends of the College.

Tuition and fees shown are for 1990-91 and are subject to change. Tuition charges are assessed for each of the 15-week semesters as follows:

	Credit Hours Per Semester	**Tuition**
Normal Load	12-16	$3,431
Part-time Load	Fewer than 12	$295/credit hour
Overload	17 or more	$3,430 plus $215/ credit hour for all hours above 16

Basic charges for 1990-91, excluding books and supplies:

Tuition (including Interim)	$ 7,750
Board	1,875
Room (average charge)	1,675
Activity Fee	120
	$11,420

Fees

Damage deposit		$100
Individualized reading course		60
Auditing fee per course		50
Application fee (non-refundable)		15
Late registration fee		25
Auto registration	Resident:	20
	Commuter:	8
Proficiency exam fee		40
Student teaching		70
Health insurance (for students not covered by parents' insurance)		147
Mountain Challenge (courses have fees which vary according to the activity)		
Transcript (after first one)		2
Dropping or adding a course		

During the week of registration $10 will be charged for a change of schedule (drop or add). After the week of registration, $10 will be charged for adding a course and no charge will be made for dropping a course.

Applied Music Fees

The applied music fee includes use of practice rooms and instruments as well as additional instructional costs. Most lessons are given by members of the departmental staff. Occasionally lessons are arranged for an advanced student with a master teacher in the area. In such cases the student registers with the College and financial arrangements are made with the teacher.

Music Majors	**Per Semester**	**Interim (Optional)**
All lessons must be taken for credit		
1. 1 half-hour private lesson per week	$125	$27
2. 2 half-hour private lessons per week in same field, or 1 lesson each in two fields	185	54
3. Class lessons in each field, offered in: piano, voice, strings, brass woodwinds, percussion, guitar	65	
4. Introduction to Keyboard Fundamentals	125	
Non-Music Majors		
All lessons must be taken for credit		
1. 1 half-hour private lesson per week	185	42
2. 2 half-hour private lessons per week in same field, or 1 lesson in two fields	300	69
3. Class lessons in each applied field (two meetings each week), offered only in piano and guitar	95	

Payment Policy

All Maryville College students upon acceptance pay a $200 advanced tuition deposit, which is credited toward tuition and other costs. This amount is refundable until May 1.

Payment Adjustments

Room and meal rates do not cover vacation periods or costs of off-campus study, but adjustments are made in board for officially authorized field trips of a week or longer during the interim period. Adjustments in payments are also made for students who enroll later than the fall semester or who meet graduation requirements before the end of the academic year.

Refund Policies

A student who withdraws officially from Maryville College will be given a refund of tuition as follows:

Withdrawal	**Percentage of Refund**
Within 7 calendar days of 1st day of classes	80%

Within 8-14 days	60%
Within 15-21 days	40%
Within 22-28 days	20%
After 28 days	No Refund

A withdrawal becomes official as of the date the proper withdrawal forms (see withdrawal procedures section of the catalog) are signed by the office of Student Development staff and delivered to the Business Office.

Failure to notify the Office of Student Development or the Business Office promptly when withdrawing could result in a larger percentage being charged. Withdrawal does not cancel fees and charges already incurred.

Proper consideration will be given to a student who withdraws because of illness or physical disability or other serious causes. Refunds for students withdrawing for these reasons are subject to approval by the Vice President for Student Development.

A student who is requested to withdraw, or who is expelled for disciplinary cause, will receive no refund of tuition or general fees. A pro rata refund of board only will be made for the remainder of the semester in which the suspension occurs.

For a student who withdraws officially from the College, no refund of that portion of the room charge will be made after the first day of classes. A pro rata refund of board only for the remainder of the semester in which the withdrawal occurs will be made.

No refunds are made for students dropping a class after the class has first met.

Financial Planning

To be considered for financial assistance at Maryville College, a student must be accepted for admission, submit a Financial Aid Form (FAF) to the College Scholarship Service, and submit an Institutional Application for Financial Assistance to the Financial Planning Office. Transfer students must also provide a Financial Aid Transcript.

The necessary forms may be obtained from the Financial Planning Office, the Admissions Office, and most high school guidance offices. Since financial aid packages consisting of one or more types of assistance are awarded on a "first come, first served" basis to eligible applicants, it is wise to complete and submit all the required forms as early as possible. The preferred filing date for the FAF is March 1 or earlier. Applicants must re-apply on an annual basis.

Satisfactory Progress To Retain Financial Aid

Continuation of financial aid from year to year is contingent upon acceptable academic performance and assessment of individual need. A student who falls below specified minimum standards for progress toward a degree loses eligibility for assistance from federal, state, and institutional sources. The minimum standards for progress are explained in the Student Handbook.

Scholarships

The Presidential Scholars Program offers full-tuition scholarships to prospective freshmen. Students receiving one of these four-year, renewable awards also participate in a program of challenging activities. In addition, the Maryville College Scholarship—a $2,000 award—is offered to applicants possessing exceptional academic ability.

Scholarships in music, band, art, choir, drama, and debate are offered to new students based on talent and achievement. Freshmen who are communicant members of the Presbyterian Church U.S.A. are eligible to apply for the National Presbyterian College Scholarship. Freshmen and transfer students may also apply for the Church and College Scholarship and the MC Church Matching Scholarship, if applicable.

Additional scholarships are available to students of superior academic ability, character and promise. For more information, contact the Financial Planning Office, Maryville College, Maryville, TN 37801.

Grants

Maryville also offers a wide variety of grants to students who qualify for consideration.

In addition to offering the Maryville College Grant, the College participates in federal student aid programs, including the Pell Grant

and Supplemental Educational Opportunity Grant (SEOG), which award assistance to undergraduate students on the basis of financial need.

Residents of Tennessee may apply for a state grant via the Tennessee Student Assistance Corporation. Awards are made on the basis of financial need.

Students at Maryville who are eligible may also use Veterans Administration and Vocational Rehabilitation benefits to finance their education.

Loans

Maryville College participates in the major federal loan programs awarded on the basis of financial need. These programs include the Perkins Loan and the Stafford Loan, both long-term loans for which repayment begins after graduation.

In addition, the College offers various short-term financing options via institutional installment plans and the Academic Management Services. Further assistance is available for students under the Parent Loan (PLUS) Program, a federal loan obtained through a bank or other lending agency.

Employment

Part-time work for students is available in many areas of campus activities. Earnings depend upon the degree of skill, the amount of personal responsibility and time involved and financial need.

Students not demonstrating need but who possess special skills or ability may also apply.

More detailed information regarding specific types of student aid may be obtained from the Office of Financial Planning, Anderson Hall, Maryville College, Maryville, TN 37801.

Student Life

Education is an experience that involves both formal academic structures and informal activities. At Maryville, students have great opportunities to develop mind, body, and spirit through a wide variety of campus activities.

Clubs, Organizations, and Societies

Academic Life Council, Student Senate, and the Student Programming Board are a few of the organizations in which students have the chance to participate in Maryville's academic affairs, religious life, and social, cultural, and recreational events. There are numerous clubs and organizations at Maryville, including Circle K, Amnesty International, Fellowship of Christian Athletes, Habitat for Humanity, and International Club, just to name a few. Many students enjoy working on Maryville's campus publications. The *Highland Echo* is the college newspaper; the *Chilhowean* is the yearbook; and *Impressions* is the college literary publication.

Maryville also has many professional and honor societies in which students can get to know other students with similar interests. Honor societies for chemistry, drama, sign language, and music are a few possibilities for campus as well as professional involvement.

The Center for Campus Ministry

Many opportunities for religious growth, personal maturity, and community service exist at Maryville. The Center for Campus Ministry houses the College Chaplain's office, worship center, and meeting space. Once a week, students, faculty, and staff may gather at the CCM to worship. The College Chaplain is always available to offer support through confidential counseling.

Maryville College is affiliated with the Presbyterian Church U.S.A. and encourages spiritual growth through denominational and interdenominational activities.

Music, Theatre, and the Arts

The College Concert Choir performs for special services on and off campus and tours the nation—and the world. Guest artists and soloists perform in concert with the Maryville-Alcoa College-Community Orchestra. The Highlander Wind Ensembles, which include a big band and a jazz group, are also outlets for those who would rather perform than watch.

Through the Maryville College Playhouse, the Appalachian Ballet Company, and Maryville College's Performing Artists Concerts, students enjoy an excellent mix of classical and contemporary theatre and dance. Creative art exhibits featuring student and professional works are scheduled each month in the Fine Arts Center Gallery.

International Center

The International Center was established as a multi-functional facility to service the needs of the growing international population on the Maryville College campus and to further good international understanding both on campus and in the surrounding community. The first floor houses a meeting area, study room, and kitchen for students who want to recreate the tastes of home. Classroom facilities on the second floor serve both the Center for English Language Learning and the internationally-minded community.

Athletics

Maryville's Fighting Scots compete in the National Collegiate Athletic Association, Division III. Men's varsity sports include baseball, basketball, cross-country, football, and soccer. Tennis and volleyball are club sports. Maryville women compete in basketball, cross-country, soccer, softball, and volleyball. Tennis is a club sport. Intramurals at Maryville include flag football, racquetball, basketball, volleyball, softball, and table tennis.

Maryville's Physical Education and Recreation Building offers every opportunity for students to keep in shape. Facilities include a swimming pool, three gyms, racquetball courts, a weight room, a gymnastics room, and more. Outside are tennis courts, running trails, and athletic fields.

Student Center

Fayerweather Hall is located centrally on campus and provides easy access to classes. Students gather at Fayerweather Hall to watch big screen TV at Isaac's Snack Bar, to shop at the bookstore, or to pick up their mail from the campus post office.

Residence Halls*

A majority of Maryville students live on campus in one of four residence halls: Copeland, co-ed; Davis, women; Gamble, men; Lloyd, co-ed; and Pearsons, co-ed. All of the halls are conveniently located near Pearsons Dining Hall.

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*Residency Requirement

All students not living with parents or close relatives are required to live in on-campus housing and participate in the college meal plan. The College reserves the right to revoke the registration of any unmarried student who fails to comply with this policy.

Student Services

Career Planning and Placement

Aware of the current demand for career-oriented progams, Maryville provides opportunities for internships, practicums and interim study arrangements which help the student gain job-related experience.

The Career Planning and Placement service seeks to prepare students to evaluate career and life choices. Beginning at the freshman level, the CPP director works with students and arranges group counseling sessions. The office also sponsors career information seminars and workshops and maintains a Career Resource Library.

It also makes available listings for part-time employment and summer jobs. It schedules interviews with graduate school representatives and potential employers on campus and maintains information on career opportunities with major companies nationwide.

Academic Advising

Every student has a faculty adviser who is ready to help with course schedules, career plans or personal problems. Students meet their freshman year advisers during orientation week and change to a departmental adviser when they declare a major, usually in the spring of the freshman year. While students are ultimately responsible for knowing college requirements and planning their schedules, faculty advisers are an important part of the personalized atmosphere of the College.

Medical Services and Health Insurance

Maryville College provides full medical services through Blount Memorial Hospital, located less than one mile away from campus. Maryville College requires every student to be covered by health insurance, either a family plan or the plan made available by the College. Health insurance information is available through the Business Office.

The College Campus

Location

Maryville College is situated on 370 acres in the foothills of the Great Smoky Mountains in East Tennessee. It is in the City of Maryville, which, with neighboring Alcoa (home of ALCOA, Aluminum Company of America Tennessee Operations), combine to form twin residential communities of 46,000.

The College is just 20 minutes from Knoxville, a growing, bustling metropolis of half a million people. In many ways Knoxville serves as a "college town" to both Maryville College and the University of Tennessee, which is based in Knoxville.

With Knoxville directly to the north of campus and the Great Smoky Mountain National Park only thirty minutes to the east, Maryville students have the best of both worlds.

Maryville College's location in East Tennessee has been rated as one of the best areas for outdoor adventure, providing an endless array of activities for students. Gatlinburg, a popular ski and tourist resort, is easily accessible, as are a number of other fine recreational spots. In addition, Maryville is central to several major cities in the Southeast, such as Atlanta, Memphis, Tampa, and Charleston. McGhee Tyson Airport, a class A transportation center, is just three miles from campus and is served by numerous major and commuter airlines.

Student Body and Buildings

The student body numbers over 850, and there is a distinguished faculty of about 50, two-thirds of whom hold the doctorate.

There are 20 major buildings on campus, including Lamar Memorial Library, recently remodeled and expanded. The Chapel/Theatre houses the 1,200-seat Wilson Chapel and the 400-seat theatre of the Maryville College Playhouse. The modern Sutton Science Center includes private study and research carrels, computer labs, and dream and audiology labs. The Fine Arts Center has a 250-seat recital hall, art gallery, music library, and private studios and practice rooms.

The Health and Physical Education building houses three full-size gyms, racquetball courts, swimming pool, weight room, gymnastics room, and physical therapy room. Fayerweather Hall houses most of the student-related offices, including the bookstore, student lounge, post office, and snack bar.

Anderson Hall, which dates from 1870, is a national historic landmark and houses administrative offices and classrooms, including the campus computer center.

There are four modern residence halls, each with study lounges, laundry rooms, and kitchen facilities. The Center for Campus Ministry houses the College Chaplain's Office, worship center, and meeting space. Recently renovated historic buildings include the International House, Willard House and Crawford House. Willard House is the site of the Alumni Center and College Advancement Offices; Crawford House is the home of the Life Enrichment Center.

The Academic Program

Degrees

Maryville College offers three degrees, the Bachelor of Arts, the Bachelor of Music, and the Bachelor of Science. All three degrees may be earned by full-time students. For mature adults who wish to pursue a degree on a part-time basis while carrying other substantial responsibilities, the B.A. in certain fields is offered through the Division of Continuing Education as well; those programs are described in another college bulletin.

Degree Requirements

To receive any degree, the student must complete all requirements specified for that degree in the catalog in effect at the time of initial enrollment. For all degrees, a minimum of 128 semester-hours of credit must be earned with a cumulative grade point average of at least 2.0.

For all degrees, the courses taken must satisfy all general education, major, and major-related requirements. The English proficiency examination and a comprehensive examination in the major field must be passed. A requirement in swimming, emphasizing survival skills and maneuverability in the water, must also be satisfied, either by demonstration of competence or satisfactory completion of an appropriate course.

The specific requirements for each degree are described in the section of this catalog devoted to it. At least nine hours must be earned in Interim courses, including six hours meeting the specifications for experiential learning and one off-campus experience.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Approval of the appropriate department chairperson and the registrar is then required in advance.

As a minimum, each degree candidate must complete at Maryville 32 credit hours, including 20 in the senior year and nine in the major field. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

Majors

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. An individualized major may be designed, however, to meet particular educational needs.

A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to a senior thesis, and, for the B.A., a maximum of 56 hours in all principal and related subjects. For

an individualized major, possible only with the B.A. degree, at least 18 hours in one subject, 12 hours in a related subject, and six hours in senior thesis are required; approval of the Committee on Individualized Instruction must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in some fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years.

A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate department head early in the first year of enrollment. Such fields include the natural sciences, mathematics, teacher education, physical education, and the cooperative programs in engineering and nursing.

Permission of the department head must be secured in order to major in any field. Approval must be registered on the proper form filed by the student with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance.

For all courses taken to satisfy major requirements for all degrees, a cumulative grade point average of at least 2.0 must be earned with no more than four semester hours below the grade of "C."

Major Fields

The fields from which majors may be selected are:

Bachelor of Arts

American Sign Language
*Art
Biology
Biology for the Health Professions
Biology/Teacher Licensure
Business
Chemistry
Chemistry for the Health Professions
Chemistry/Teacher Licensure
*Child Development and Learning
Computer Science/Business
Computer Science/Mathematics
Ecology
*Economics
Engineering
*English
*History
International Studies
Management
*Mathematics
Music
Music and Theatre
*Physical Education
Physics/Teacher Licensure
*Political Science
*Psychology
Recreation
Religion
Sign Language Interpreting
*Spanish
Speech-Theatre
Writing/Communication

*Teacher Licensure Track available

Bachelor of Music

Church Music
Music Education
Performance

Bachelor of Science
Health Care (dual-degree)

Pre-Professional and Cooperative Programs

The two majors in biology and chemistry for the health professions are pre-professional in nature, designed to prepare the student for advanced study at another institution. Though the College's graduates have generally been successful in pursuing careers in these fields, completion of either major cannot guarantee acceptance at a professional school, nor does it qualify the student for entry into professional practice.

The major in engineering is a cooperative program, involving three years at Maryville College before transfer to the cooperating institution; further information is available in the section of this catalog on Career and Graduate School Preparation.

Two cooperative, dual-degree programs in nursing are available. In four years, a student may earn the B.S. in Health Care from Maryville College and the B.S. in Nursing from the University of Tennessee. In five years, a student may earn the B.S. in Health Care from Maryville and the M.S. in Nursing from Vanderbilt University. Further information on nursing programs is available in the section of this catalog on the Bachelor of Science degree.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward minor requirements. Specific requirements for each minor are to be found in the departmental listings. Minors may be taken in most fields in which a major is offered. Minors are also available in the following areas:

Accounting
American Studies
German
Medieval Studies
Philosophy
Physics
Sociology

Special Requirements

Senior Thesis

One of the distinctive features of a Maryville education is the senior thesis. Every degree candidate completes such a project in the major field, under the guidance of a faculty supervisor. The subject is of the

student's own choosing and may take the form of literary or historical investigation, laboratory or field research, an interpretative effort, or creative activity in art or literature or music.

The senior thesis requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment.

Comprehensive Examination

In the final semester of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated.

The nature of the examinations varies from department to department. Some are developed entirely by the department, while others may consist of a national standardized test supplemented by locally developed questions.

The grade received on the comprehensive examination becomes part of the total academic record, and quality points may be added or subtracted according to performance. For a grade of "A," 4 quality points are added; for "B," 2 points. A grade of "C" does not affect the quality point total; for "D," 2 quality points are subtracted. A grade of "F" requires a reexamination. No more than two reexaminations are permitted, and a passing grade must be attained within two years of the first attempt.

English Proficiency Examination

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English staff, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given in the second week of each semester. Every student must take the examination not later than the spring semester of the sophomore year. Transfer students with sophomore standing who have completed freshman English must take the examination during the first semester of enrollment.

The examination must be passed before enrollment in Senior Thesis, usually a culmination of one's work in the major field. Any student who fails the examination will have an opportunity to correct deficiencies through remedial laboratories. The test must then be retaken the following semester. It is recommended that students who fail the exam a second time repeat English 104 on a non-credit basis. Passing that course with a minimum grade of "C" satisfies the proficiency requirement.

College Reading Strategies Course

This course provides college students with strategies and skills designed to improve their reading comprehension of college texts. Reading speed and vocabulary/concept development are also considered. This course is required of all students who perform below minimum standards on the reading placement tests. The course offers three Institutional Credits for satisfactory completion, but these credits do not count toward the minimum needed for graduation.

The Library

The Lamar Memorial Library is central to the mission of Maryville College. It is a focal point for knowledge and study, a place to read, to investigate, to reflect, to question, and to learn.

Library collections support the educational program, provide current awareness for discipline-related research, meet recreational reading needs, and record the institutional history of the College. Located in Thaw Hall, built in 1923 and renovated in 1986, the library numbers over 105,000 volumes in its collections.

Holdings include books, periodicals, documents, microforms, audio and visual materials. Special collections include over 2,200 musical scores in the Fine Arts Center lilbrary, 19th century hymnals and songsters, and early travel books.

To facilitate the use and understanding of library information sources, reference assistance is provided during all hours of service. Reference staff work with students and other users individually to formulate the information needs, identify sources, and instruct in their use.

Bibliographic instruction for classes is an important part of reference service; library faculty teach major components of the Inquiry and freshman English courses, which are devoted to information skills and search strategies. Discipline-related instruction is offered in other courses.

The library is a center for services that stimulate, encourage, and teach the use of information resources, and, equally important, provide access to holdings elsewhere. Through membership in consortia, networking, and reciprocal borrowing agreements, students have access to specialized and scholarly materials in numerous other area resource centers. In addition, the library provides online access to the University of Tennessee card catalog and to more than 100 bibliographic databases via a major electronic search service.

The library affirms and subscribes to the International Interlibrary Loan Code, the American Library Association Library Code of Ethics, and the American Library Association Library Bill of Rights.

Special Learning Opportunities

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

Interim

The Interim program complements the traditional curriculum with special opportunities for exploration and growth. During the three weeks devoted to the Interim, students concentrate on a single course. The subjects pursued vary greatly from year to year, and the courses offered are not generally available during the rest of the academic year. Most Interim courses are offered in January, but a few involving off-campus activities are scheduled during the summer.

In lieu of a scheduled course, an upperclassman may propose an independent project to be undertaken during the Interim period. The project requires a campus sponsor, a carefully developed plan, and the approval of the Interim committee.

Satisfactory completion of three Interims is required for the student enrolled at Maryville College for four years. The requirement is adjusted proportionately for the transfer student. Two of the three Interims must concentrate on experiential learning. One of the experiential Interims must be centered off-campus and involve a significant change in living environment for a week or more. No more than 15 semester hours earned in Interim courses may be counted toward graduation requirements.

International Study

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness—all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible. Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experience can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Some of these are sponsored directly by Maryville College. In recent years, for example, groups of students and faculty have used the Interim period for trips to Great Britain and Peru. For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

Kansai University of Foreign Studies in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies, and provides an important supplement to the coursework in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai University, or they may begin it there.

For the benefit of those whose use of the language is not advanced, most of the instruction is conducted in English. Dormitory housing is available, but students may also choose to live with a Japanese family in order to participate more fully in Japanese life. The courses taken and the grades earned at Kansai University are fully credited toward graduation requirements, and the grades are incorporated into the Maryville grade point average.

Students may also study at two institutions in Korea. Programs up to one year in duration are available at Yonsei University in Seoul and at Han Nam University in Taejon, both Presbyterian-related institutions. Information is available from the Coordinator of International Studies.

Through the American Institute for Foreign Study, programs for a summer, a semester, or a full year are offered. Most of these are centered in Western Europe, including Britain, France, Italy, Spain, the Federal Republic of Germany, and Switzerland, but opportunities are also available in Austria, Greece, and the Soviet Union.

Students interested in Latin America or Spanish culture may study in Mexico or Spain through cooperative programs with Alma College and Central College of Iowa. The Alma College program in Mexico is operated in conjunction with Interamerican University in Mexico City, while Central College is affiliated with University of Granada in Spain. A full year of study in either Mexico or Spain is required of students majoring in Spanish.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Opportunities are normally available at two institutions in Sierra Leone, and often at universities in Liberia, Senegal, Nigeria, and Kenya. Participation is dependent upon admission by the African institution and selection by Kalamazoo College, but a place can usually be found for qualified students. For most programs, a summer's preparatory work at Kalamazoo is required.

A period of study abroad is possible at any time after the freshman year, but most students find the junior year, or the preceding summer, the most convenient time. Planning needs to be started well in advance, and is best done in close consultation with the Coordinator on International Studies. The programs listed here all carry full academic credit.

Moreover, students receiving financial aid usually continue to receive most of the assistance they would have if they were taking courses on the Maryville campus during the regular academic year. For that reason, the benefits of study abroad often can be obtained for a lower additional cost than most students expect.

Internships and Practica

Many academic departments offer opportunities for students to gain practical experience, usually related to the major field, through an internship or practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession. Possibilities range from individual work with exceptional children in the College's Learning Center to editorial duties in a publishing house to service as an aide to a public official. Academic departments or the Office of Career Planning and Placement occasionally assist students in arranging post-graduate or other non-credit internships.

Credit earned for practica and internships is in proportion to the scope and duration of the experience. Practicum experiences are allotted two to six credit hours. Practica may be pursued while the student is enrolled in other coursework, and in some cases the work may be done on campus and be related to the College program. Departmental guidelines for practica vary, but for each credit hour granted students are expected to be involved the equivalent of at least three hours of activity per week for a semester. Internships are allotted nine to 15 credit hours and are intended to give students a more complete immersion in a work or service setting. Other coursework is normally not taken during an internship, though the Senior Thesis (351 or 352) is sometimes completed during a fall or spring internship. Internships take place off-campus and require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

Academic departments offering internships or practica for credit are required to have written guidelines for these experiences. The guidelines are available in each department and in the Registrar's office. Guidelines include application and approval procedures, the range of accepted experiences, methods of reporting and verifying experiences, and the duties of the faculty supervisor and the off-campus supervisor. Departmental guidelines may restrict or prohibit remuneration. Remuneration may be permitted insofar as guidelines for the learning experience are followed and faculty supervisors work closely with organizations and off-campus supervisors to protect the student and to ensure the quality of the experience as an extension of the College curriculum.

Internships and practicum experiences are routinely available for students in art, business, English, writing/communications, management, psychology, child development, recreation, sign language interpreting, biology, chemistry, and teacher education; they can be developed in other areas to meet student interest.

Debate and Model United Nations

The programs in debate and Model United Nations provide opportunities to develop talents and abilities that are highly valuable in a variety of pursuits. Debate activities may center on participation in tournaments involving debaters from other leading colleges and universities throughout the Southeast. Most of the tournaments are scheduled for

the period December through March. In preparation for these competitions, students strengthen their skills in research, interpretation of data, organization of information, and persuasive presentation.

Students may enroll in debate for two semesters for three credit hours each semester and for one credit hour per semester thereafter. No more than 12 credit hours in debate may count toward graduation. Another outlet for students interested in debate is Speech/Theatre 202, Advanced Public Speaking and Debate.

Maryville College students participate in Model United Nations activities in three ways. An Interim course is regularly offered, and students enrolled in that course also serve as leaders for the Maryville College Model United Nations for area high school students. Outstanding participants in those programs may also represent Maryville at regional and national Model United Nations programs for colleges and universities.

The Washington Experience

For the student who wishes to spend a semester learning in the nation's capital, the Washington Center for Learning Alternatives provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 governmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service.

Research and Field Work in the Natural Sciences

Through several major research facilities, arrangements are made for superior students to participate in scientific investigation and experience a professional research environment. The Science and Engineering Research Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted into the program spend a portion of the senior year at one of several national laboratories such as Argonne, Brookhaven or Los Alamos, working under the supervision of a scientist or engineer on an on-going research project.

At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts.

Closer to the College campus, the Oak Ridge National Laboratories regularly afford Maryville students the chance to participate in a variety of short-term and summer research and study programs. The nearby Great Smoky Mountains provide students with a rich resource for ecological studies.

Individual Study Course

For a course in the major field a student may substitute a program of individual reading or experimental work. The student may also take an additional major course on this basis. Such coursework carries a 350 number and may not exceed a total of three credit hours. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses progress. Approval of the department chairperson is required, and an additional fee is charged.

Honors Study

Students of superior ability may choose to pursue honors study related to courses in which they are registered. The honors work goes beyond basic course requirements and may take the form of additional reading, writing, experimentation or creative work, or any combination of these. Eligibility for honors study requires an overall cumulative grade point average of at least 3.0 and a cumulative grade point average of 3.2 in the major.

For successful completion of honors study in a given course, students may receive one additional credit hour beyond the regular credit allotment for the course. Arrangements for honors study are negotiated with the course instructor and require the approval of the department or division chairperson. These arrangements must be reported to the registrar not later than the first week of the course. Special sections of general education courses are occasionally offered for honors credit. Successful completion of honors study is entered on the student's record.

Community Forum

To supplement classroom learning, the College schedules an extensive program of lectures, presentations, and performances. These take the form of convocations attended by students, faculty, and staff, as well as residents of the local community. The series seeks to inform the entire College community about critical issues in politics, religion, economics, social relations, international affairs, and the arts and to engage participants in discussion of the value considerations posed by those issues. Each semester the five to seven Community Forum events relate to a particular theme.

Events may be linked to particular courses, and participation in those events is an integral part of those courses. Otherwise, attendance is voluntary. A student who attends regularly, and verifies that attendance, may earn credit toward graduation. For attending five events in a semester, one-half credit hour is earned; a maximum of four credit hours may be earned in this way.

There is no admission fee, but the student who wishes to receive credit for attendance is subject to an overload charge if the normal load for the semester is exceeded.

Life Enrichment Program

The Maryville College Life Enrichment Program (MCLEP or "portfolio") is a means to enrich and diversify the student's educational experience through a combination of curricular and co-curricular activities. In the program each student works closely with a faculty or staff mentor to identify or design projects appropriate for his or her personal growth. The projects must fall into the categories of service, creativity, adventure, self-management/health, or cross-cultural experience. Only one credit hour may be earned in any category, and no more than three credit hours may be earned in the program.

A central feature of each project is the maintenance of a personal journal, the purposes of which are to encourage careful observation and reflection and to deepen knowledge of oneself. Through completion of an individually-designed project, undertaken outside the curricular structure, the student earns one credit hour. When a project is done in connection with a course, only the credit hours appropriate to that course are awarded.

Written descriptions of completed projects may be used to create a portfolio of experiences. Such a portfolio serves to document personal growth, much as an academic transcript documents intellectual growth.

Mountain Challenge

The Mountain Challenge program provides an opportunity for students to get into the wilderness. Area mountains, lakes, rivers, and woods provide the setting for the various Mountain Challenge activities, which include:

Ropes Courses
Rock Climbing and Rapelling
Bicycle Trips
Map and Compass
Mountain Trips and Expeditions
Canoe/Kayak Trips
Caving
Mountain Rescue and First Aid
Outdoor or Environmentally-related service projects

Many of the events in the program require no experience or special equipment. The only requirements are a willingness to try new experiences and a commitment to your best effort. One credit hour may be earned by participating in five Mountain Challenge activities. Each student may earn up to three credit hours through participation in the Mountain Challenge program. Credit is granted through the Physical Education and Recreation department's activity course offerings.

Great Smoky Mountains Institute at Tremont

The Great Smoky Mountains Institute is located in the National Park some 20 miles from Maryville College. The program focuses on

environmental education and on the natural and cultural history of the area. Formerly a program of Maryville College, the Institute is now operated by the Great Smoky Mountains Natural History Association, but a variety of opportunities at Tremont are available to Maryville College students. Interim courses are occasionally offered at Tremont, and the Center's summer program includes offerings for college credit. Internships, practicum experiences and post-graduate work opportunities are also available. Interns and staff members work principally as instructors for the wide variety of groups that visit the Institute. Further information is available from the Institute Director.

Dismas House

Dismas House of Blount County, located near the College campus, is a residence for ex-prisoners and Maryville College students. The Dismas community operates as a half-way house for ex-offenders. Students live in and occasionally do volunteer work for the house, participating in the effort to foster reconciliation and re-adjustment for carefully screened men and women recently released from prison. The numerous Dismas Houses throughout the nation were founded by Father Jack Hickey and retain their character as Christian service organizations.

Maryville College Fine Arts Institute

The Maryville College Fine Arts Institute is a summer program of study in various disciplines. Offerings include strings/chamber music, keyboard, vocal/theatre, and dance. The Maryville College faculty is joined by other artists of national reputation, and the Institute operates in cooperation with the Knoxville Symphony Orchestra and the Appalachian Ballet Company. Institute participants may receive two hours of course credit. Information is available from the Institute Director.

Career and Graduate School Preparation

Maryville College believes that the best undergraduate preparation for a career is the enhancement of critical skills, the acquisition of broad-based understanding, and the development of personal creativity and competence. These are the traditional emphases of liberal arts education, and their value is widely recognized by the better graduate and professional schools.

Students considering application to such schools should consult their catalogs for admissions requirements; most graduate and professional schools do not require a specific major. Counsel should also be sought from one's faculty adviser in planning the program of study at Maryville. Additional guidance about careers may be found in the information that follows.

Arts and Sciences

Maryville graduates pursue advanced degrees in all the major fields of knowledge, and many pursue interests discovered and developed at the College. Careers in college teaching, research, and industry attract a significant number. A strong record in one's major field, as well as evidence of self-discipline and effective communications skills, are important considerations for graduate school admissions committees.

For many schools, high scores on the Graduate Record Examination are necessary, and reading knowledge of at least one foreign language is expected. Advice about study in a particular discipline can best be obtained from the appropriate department chairpersons and faculty members.

Business

Careers in some aspect of business attract a large proportion of the current generation of college students. For those interested in self-employment or work with a small firm, a major in general business may be adequate preparation. For the student aiming toward a larger corporation, however, and for those planning to earn a master's degree after leaving Maryville, the undergraduate major in business may not be the best choice.

Increasingly, major employers and the more highly regarded business schools emphasize that they can provide the specialized preparation needed, that it need not be acquired in the undergraduate years. More important in many ways than the specific undergraduate major are the capacities to learn quickly, to think critically and analytically, to speak and write clearly, and to be effective in personal relations; these qualities can be developed in most fields of study.

Thus the student interested in a business career might do well to major in another area, while taking some courses, or a minor, in business or accounting or computer science. Consideration should also be given to a major in management, which combines work in several related disciplines.

Maryville College also maintains a cooperative relationship with the Graduate School of Business at the University of Tennessee whereby a student may earn in five years the B.A. in business and the Master of Business Administration. The first three years are spent at Maryville College completing college requirements and the courses necessary for advanced study in business; for the last two years the student is enrolled in the M.B.A. program of the University.

Upon satisfactory completion of the fourth year of the combined program, including submission of a, senior thesis, students in good standing will receive the B.A. degree from the College. The M.B.A. is awarded by the University at the end of the fifth year.

Students must apply for admission the M.B.A. program, and they must complete a list of specified courses at Maryville College. Details on the B.A./M.B.A. program are available from the Chair of the Social Science Division.

Church-Related Vocations

Students interested in the ministry, religious education, church music, or other church-related vocations pursue a variety of majors. Religion or church music are obvious choices. Also helpful is work in art, English, history, philosophy, psychology, and sociology, among other fields. Information and counsel about church-related careers and about seminary training are available from the Chair of the Department of Religion and Philosophy and the College Chaplain.

Engineering

Through cooperative arrangements with the Georgia Institute of Technology and the University of Tennessee, Maryville enables a student to combine extensive preparation in the liberal arts with professional training in engineering. Both arrangements allow the student to earn two degrees, one from Maryville College and one from the engineering school. The first three years are spent at Maryville, completing college requirements and the courses necessary for further study in engineering or applied science; the remaining time, normally two years, is spent at the cooperating institution.

After four years of study and upon satisfactory completion of 32 semester hours, with grades of "C" or higher, the student will receive the B.A. degree from the College. When all requirements for junior and senior engineering students have been met, usually by the end of the fifth year, the cooperating institution will award the Bachelor of Science degree in the area of specialization.

The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, including biology, chemistry, information and computer science, mathematics, physics, and psychology, and in industrial management.

Admission to either cooperating institution requires the recommendation of the College's Dual-Degree Coordinator, but the decision to admit rests with the other institution, not with the College. Admission to some engineering fields is very competitive, reflecting the current high

demand for places in an entering class.

The Georgia Institute of Technology requires a minimum grade point average in courses in mathematics and science, and in all courses taken, for the first three years of college work. These minima, which have been rising sharply in recent years, may vary according to the intended major; they are somewhat lower for Georgia residents than for non-residents. Any student interested in pursuing the dual-degree option is urged to consult the Dual-Degree Coordinator in the Department of Mathematics and Computer Science as early in the freshman year as possible.

Interpreting for the Deaf and Hearing-Impaired

Recent years have seen a growing awareness of the special needs of handicapped people, and efforts to meet those needs have been renewed. As a result, there are expanding career opportunities for those with the understanding, commitment, and skills to assist persons with handicaps to make their maximum contributions to society. Since 1974, Maryville College has pioneered in the preparation of interpreters for the deaf and hearing-impaired.

The College offers a major in sign language interpreting, one of the few four-year programs of its kind in the country. The program is designed primarily to train students to serve as interpreters, but it also provides a foundation for those wishing to work with the hearing-impaired in other capacities. A significant proportion of the program's graduates have discovered that their preparation has enabled them to move rapidly into supervisory and managerial positions.

A second major, American Sign Language, provides a grounding in ASL without interpreter training. The major provides a background that can be applied in deaf education, language teaching and other related fields.

Law

The practice of the law requires specialized training at a law school and subsequent qualification for admission to the bar. When considering candidates for admission, law schools do not require any specified pattern of undergraduate preparation. Almost any major offered by a liberal arts college is acceptable, but economics, English, history, and political science are among the majors recommended.

It is especially important that any prospective law school candidate have an understanding of social, economic, and political institutions, and be able to think, speak, and write clearly. Admission to law school is usually determined by the total undergraduate record and one's score on the national Law School Admissions Test. Further information is available from the Pre-Law Adviser in the Division of Social Sciences.

Medicine and Other Health-Related Professions

For over a half-century a high proportion of Maryville graduates have entered health-related professions, particularly medicine and dentistry. Optometry and veterinary medicine also provide attractive possibilities for the student who is adept in the natural sciences. All these careers require preparation at a professional school following completion of undergraduate work at Maryville. Admission to such schools is highly competitive, usually requiring a superior academic record in college and high scores on national standardized tests.

Students planning to enter these fields usually pursue the majors in biology or chemistry for the health professions described in the departmental listing of this catalog. Students interested in physical therapy are encouraged to major in Biology for the Health Professions and to complete the professional courses in a B.S./M.S. program following graduation. For details about the admissions requirements of a particular school, the catalog of that institution should be consulted. The Adviser on Health-Related Professions in the Division of Natural Sciences is also glad to provide counsel and assistance.

Maryville College cooperates with the Blount Memorial Hospital School of Medical Technology to provide opportunities for students interested in careers in medical technology. Students interested in medical technology are encouraged to major in Biology for the Health Sciences. Internships and other opportunities to gain work experience are available at Blount Memorial, and students may apply to the School of Medical Technology during the senior year at the College. The Blount Memorial program is a one-year (52-week) course of study leading to a certificate in medical technology. The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, and those completing the program may sit for state licensure and national registry exams in the field.

Music Therapy

A career in music therapy requires preparation in music, psychology and therapeutic techniques. Maryville does not offer a degree in this field, but most of the required course work is available. The Bachelor of Music degree, with a major in music education and supplementary courses in psychology, should be pursued. Certification requirements to qualify as a registered therapist can then be completed with additional coursework and an internship at a suitable graduate school. The Chair of the Division of Fine Arts should be consulted for advice.

Nursing

Nursing has long been one of the central professions in the health care field. As a result of sweeping changes in that field, the profession itself is changing rapidly, adapting to new technologies, new systems for the delivery of care, and new expectations. Preparation for nursing careers is now centered primarily in colleges and universities, and the

baccalaureate degree is increasingly considered the basic preparation for the professional nurse.

Through cooperative arrangements with Vanderbilt University and the University of Tennessee, Maryville College offers dual-degree programs in nursing. Students may attend the College for three years and spend the senior year in absentia at Vanderbilt. The B.S. in Health Care is awarded by the College after four years, and the M.S. in Nursing is awarded by Vanderbilt after five years. Students may also elect to attend Maryville for two years and the University of Tennessee for two years, receiving the B.S. in Health Care from the College and the B.S.N. from the University. The curriculum in the B.S./B.S.N. program is highly structured, requiring careful planning to complete course sequences on schedule. That planning is best done in close consultation with the Director of Nursing Education.

Teaching

For the person who enjoys learning, sharing one's knowledge, and helping young people grow, teaching can be a rewarding career. The College offers a major leading to licensure in the elementary grades and in many secondary areas.

College requirements for both the elementary and secondary programs are described in the departmental listings of this catalog. Certification requirements vary from state to state; the Director of Teacher Education can provide specific information and advice. Professional teacher education courses are listed under education in this catalog.

Academic Procedures and Regulations

Course Load

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries 14 or 15 credit hours in each of the semesters and three credit hours during an Interim period. No more than four credit hours may be taken in one of the three-week periods, whether Interim or summer session.

A full-time student is also permitted to audit one course each semester without additional charge. Permission of the individual instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

Late Enrollment and Withdrawal

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Academic Vice President. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the semester has begun requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first five weeks of the semester. For courses dropped in the sixth through the eighth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the eighth week, the notation is "WF".

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official on the day the form, properly signed. is filed with the Registrar.

Class Schedule

Classes are scheduled Monday through Friday. Most courses meet three times a week, though instructors are free to schedule additional sessions as needed. Many courses in the natural sciences, and some in other areas, routinely meet four or five times a week. Laboratories in the sciences and drill sessions in foreign languages are usually held at times different from the scheduled class period, including late afternoons.

Class Attendance

Regular attendance at classes is expected of all students, though each instructor is free to set whatever attendance requirements for an

individual course are deemed suitable. These requirements are announced at the first meeting of the class.

The College recognizes as legitimate reasons for occasional absence such difficulties as illness, accident, family grief, or pressing personal responsibility. If absences for these or other reasons exceed five, the student should explain the problem to the instructor, or the instructor may initiate such a discussion. If excessive absences persist, the student may be dropped from the course with a grade of "F." Such action is at the instructor's discretion, following consultation with the Academic Vice President, but it is neither mandatory nor automatic.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed five meetings of a class.

Student Classification

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for a minimum of 12 hours a semester are classified as full-time. Those registered for fewer than 12 credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned and the quality of work done, as reflected in the cumulative grade point average. The minimum requirements for class standings above the freshman level are as follows:

For sophomore standing, 29 credit hours with a grade point average of 1.65.

For junior standing, 59 credit hours with a grade point average of 1.85

For senior standing, 94 credit hours with a grade point average of 1.95.

Academic Standards

Grading System

The grading system at Maryville is as follows:

A — Excellent
B — Good
C — Satisfactory
D — Passing
F — Failed

Quality points* are assigned as follows:

Grades	Points	Grades	Points
A+	4.000	C	2.000
A	4.000	C-	1.700
A-	3.700	D+	1.300
B+	3.300	D	1.000
B	3.000	D-	0.700
B-	2.700	F	0.000
C+	2.300		

*Grading system effective fall semester, 1990.

Students are graded by this system in all required general education courses, most electives, and all courses taken to meet major requirements (with the possible exception of Senior Thesis 351-352 noted below).

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." All Interim courses are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U." The student may also choose to take Senior Thesis 351-352 under this system. A decision to take a course on an "S/U" basis must be made during the first week of the semester, and the decision filed in the Registrar's Office. Such a decision is final and may not be reversed.

In the following exceptional circumstances these grades are given:

I — Incomplete
: Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next semester.

W — Withdrew
: Given when a course is dropped during the first five weeks of a semester; does not affect grade point average.

WP — Withdrew Passing
: Given when a course is dropped in the sixth through eighth week while the student is doing satisfactory work; does not affect grade point average.

WF — Withdrew Failing
: Given when a course is dropped after the eighth week, or in the sixth through eighth week while the student is doing unsatisfactory work; affects the grade point average as would an "F."

Grade Point Average

The grade point average (GPA) for a semester is computed by dividing the total number of quality points earned by the credit hours attempted during the semester. The cumulative GPA is based on all quality points earned and credit hours attempted at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the GPA.

The credit hours for Math 105 and College Reading Strategies do not count in the miminum needed for graduation and are not included in the GPA. For those students who take Math 105 or College Reading Strategies, an institutional grade point average (IGPA) which includes the quality points and the hours attempted for these courses is computed. The IGPA is used to evaluate academic progress for retention and financial aid purposes and to determine class standing.

Notification of Grades

Students are notified by mail of grades earned as soon as possible after the end of each semester. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (a) the student requests that this be done, or (b) the parent or guardian makes such a request, certifying that the student is a dependent as defined by the Internal Revenue Service. Such requests must be written and filed with the Registrar.

The Dean's List

The Dean's List is composed of those students whose academic performance was distinguished in the previous semester. To qualify, a grade point average of at least 3.25 in all work undertaken must be earned, with no grade below "C." Only full-time students are considered.

Graduation Honors

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. The cumulative grade point average determines the level of honors. The three levels of honors and the minimum grade point averages required are:

Summa cum laude: 3.95
Magna cum laude: 3.75
Cum laude: 3.40

Academic Standing

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reviewed by the Registrar. Any

student whose cumulative grade point average falls below 2.0 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree.* The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the **Student Handbook.**

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or other successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative GPA is raised to 2.0, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Academic Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

Conferral of Degrees

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring semester. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Students who do not complete all requirements by the close of the Spring Semester may participate in the Commencement exercises if they expect to complete the requirements by the end of the summer, have only student teaching or an approved internship to complete in the fall (Senior Thesis 352 is occasionally attached to student teaching or an internship), or have not more than two "incomplete" grades for the Spring Semester. Any student who completes the degree requirements after the spring semester may choose to participate in the Commencement exercises at the close of the next academic year.

Student Responsibility

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the Catalog and the Student Handbook. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, department chairs, the Registrar, the Academic Vice President and the Associate Dean welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

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*Exceptions are made for those students with verified handicaps and those for whom English is a second language.

Specialized Programs of Instruction

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*Teacher Licensure Track Available

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Specialized Programs of Instruction

On the following pages the College's major and minor programs are described, along with the individual courses that are a part of each program. Only courses regularly offered are listed. Most courses offered during Interim periods, which are frequently experimental and experiential, are not included.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses, numbered 401 and higher, are intended for seniors only. Close attention should be given to the prerequisites listed for courses above the 100-level.

Many courses are given in alternate years; the year the course is to be offered follows the course description. If no year is stated, the course is given annually.

The College reserves the right to withdraw or reschedule any course when the number of qualified enrollees is insufficient or when a qualified faculty member is unavailable in a given semester. If a sufficient demand for additional courses arises, they may be offered.

The Bachelor of Arts Degree

The Bachelor of Arts degree embodies the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. The degree allows students to prepare for a variety of careers and professions, but it emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepeningof sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

The curriculum provides opportunity for study over a broad range of subjects as well as more intensive work in a field of special interest. Each student's program of study includes three components: general education courses, major and major-related courses, and electives.

The general education component includes a few specifically required courses, but in most areas choices may be made among several options. Some individual requirements in general education are waived by virtue of the student's major; others may be met by demonstration of competence.

Major and major-related courses enable the student to gain familiarity with research methods and a body of detailed knowledge. More important, perhaps, they help the student understand what it means to know something well.

Electives are any courses taken beyond the general education and major or major-related requirements, including those offered during an Interim period.

General Education

Each student must satisfy the course requirements specified below, either by passing the course, or by demonstrating competence and knowl-

edge through special examination,or by meeting the condition specified for a waiver. Most of the courses are designed for the purposes of general education and are part of no major program.

Freshman Inquiry Seminar and Orientation 110	The Humanities Distribution Course
English 130	Natural Science 150[c] and 250[d,e]
Foreign Language 110 and 120[ah]	Fine Arts 210[f]
Mathematics 120[b]	Social Science 220[g]
History 180 or 190[h]	African Studies 310 or
Religion 230 or 240[h]	East Asian Studies 320
English 270[h]	Humanities 390

Freshman Inquiry Seminar and Orientation 110
A course designed to acquaint the student with the fundamentals of scholarly inquiry and the basic skills necessary to college-level study. Close attention is given to techniques of systematic questioning, data collection, documentation and formation of conclusions. Through writing exercises and oral presentations, individual initiatives and the development of communications skills are encouraged. The course is offered in multiple sections with each section investigating a different topic and employing the inquiry methods of one or more specific disciplines. The Orientation portion of the course deals with the structure, policies and services of the College, academic requirements, career planning and time management. One credit hour in the Mountain Challenge program is required in conjunction with many Inquiry/Orientation sections.

Inquiry: 3 credit hours
Orientation: 1 credit hour

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[a] Not required of students who demonstrate sufficient oral and aural facility in a second language.

[b] Not required of students majoring in chemistry, mathematics or pre-engineering or who otherwise demonstrate competence in all four components of the course.

[c] Natural Science 150 is waived for students with a major in the natural sciences, mathematics, physical education, pre-engineering or psychology or with a minor in the natural sciences.

[d] Natural Science 250 is not required of students with a major in the natural sciences, mathematics, pre-engineering, psychology, physical education, child development and learning, or with a minor in the natural sciences.

[e] Students majoring in Computer Science/Mathematics may petition to substitute two laboratory courses in one of the natural sciences (biology, chemistry, physics) for Natural Science 150 and 250.

[f] Students majoring in music or art may petition for a waiver.

[g] Not required of students majoring in business, economics, management or political science.

[h] International students for whom English is a second language are exempt from the foreign language requirement. International students from cultures outside the West, principally from Asia and Africa, have a slightly wider choice of general education humanities courses: for Religion 230/240, Religion 111 or 212 may be substituted; for English 270, English 162 or 222 may be substituted; for History 180/190, History 111, 112 or 344 may be substituted. Substituted courses may not also count toward fulfillment of the humanities distribution requirement.

English 130: Composition and Research
A course in organization and research methods, with major emphasis on the library paper. It also includes a review of the mechanics of writing, a study of the methods of rhetoric, attention to style, and practice in oral reports.
Prerequisite: Placement into the course, or English 115.
3 credit hours

Foreign Language 110 and 120
Introductory courses in French, German, Greek, Japanese, Latin or Spanish, or the equivalent in American Sign Language (ASL 101-102). Detailed descriptions are found in the listings for individual languages.

Mathematics 120: Probability, Statistics and Computing
An introduction to the skills necessary for organizing, describing, and interpreting numerical data. Topics covered include logic, probability, measures of central tendency, standard deviation,correlation, and the normal distribution. The laboratory emphasizes the use of calculators and the computer in processing numerical data.
Prerequisite: Satisfactory performance on the mathematics placement test, or Mathematics 105.
4 credit hours with laboratory
3 credit hours without laboratory

History 180: Great Issues in Western History I
The story of the Western adventure with emphasis on specific problems within different time frames. Consideration of religious ideals and their confrontation with political and social realities, the growing role of natural science and its influence, and the evolution of the nation-state system, 500-1500.
3 credit hours

History 190: Great Issues in Western History II
The study of the Western adventure tracing the interaction of state and society from 1500-1900. This course examines the rise and development of the nation-state system, the old regime, and the emerging revolutions in politics as well as in industry and technology. Attention will be given to intellectual-cultural crises and changing lifestyles associated with these developments.
3 credit hours

Religion 230: The Old Testament World and Culture
The religion of Israel as it developed in concert with and rivalry with its Ancient Near Eastern neighbors.
3 credit hours

Religion 240: The New Testament World and Culture
The development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.
3 credit hours

English 270: Western Literature and Thought from the Greek to the Baroque
The course traces the development of literary expression from the Hebrew and Greek epics and drama through the Middle Ages and down to the age of Milton. The works are read in light of their historic, philosophic and religious background with particular attention to classical and Judeo-Christian concepts. Lectures and readings from primary sources provide a background for class and panel discussion.
Prerequisite: Sophomore standing. 3 credit hours

Natural Science 150: Principles of Scientific Investigation
An introduction to the formulation of scientific questions, fundamentals of observation and measurement, acquisition of data, and drawing of logical conclusions. Courses may be offered in astronomy, biology, chemistry, physics or geology, but each course emphasizes the approaches and techniques common to all scientif ic investigation. Laboratories and/or field experiences.
Prerequisite: Proficiency in mathematics above the Mathematics 105 level.
4 credit hours

Natural Science 250: Topics in Natural Science
An examination of selected topics from an interdisciplinary perspective. The course seeks both to deepen understanding of scientific principles and to demonstrate the diverse effects of science and technology on contemporary society. Offered in multiple sections, with each section considering a different set of topics in the natural sciences. Open to students majoring in the natural sciences only by permission.
Prerequisite: Natural Science 150 or another suitable laboratory course; Mathematics 120 or its equivalent.
3 credit hours

Fine Arts 210
An introduction to aesthetic questions, values and benefits. Artistic achievements and modes of expression are studied in three media selected from architecture, drama, music, and visual arts. The course includes guided participation and creation in these fields.
3 credit hours

Social Science 220: American Institutions
An examination of the structure and functioning of the major social institutions of the United States. Emphasis is placed on economic, political, educational, religious and family institutions and on their interrelationshps. The course should be taken in the sophomore or junior year; it is open to seniors only with permission of the instructor.
Prerequisite: Sophomore standing.
3 credit hours

African Studies 310
An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergencye of independent states. Emphasis is on West Africa, integrating geography, history, societal institutions, religion, arts and economy.
Prerequisite: Junior or senior standing.
3 credit hours

East Asian Studies 320
An introduction to the peoples and societies of China, Japan and Korea. The course surveys major cultural and institutional trends from their origins through the establishment of traditional empire. Asian responses to western influences are traced and changing patterns in politics, economics and daily life are examined. The course integrates geography, history, societal institutions, religion, arts and economy.
Prerequisite: Junior or senior standing.
3 credit hours

Humanities 390: Values and Decisions in Contemporary Society
A course designed to increase ethical sensitivity and develop the capacity to weigh matters of moral choice. Cross-disciplinary in approach, the course en-

courages students to bring their separate disciplinary perspectives to bear on problems involving values in conflict. Values analysis and modes of ethical reasoning are stressed, with a view toward helping the student learn how to arrive at responsible decisions in situations of complexity and ambiguity. Multiple sections of the course are offered; some deal with a single issue; others consider a combination of topics.
Prerequisite: Junior or senior standing.

3 credit hours

Humanities Distribution Courses
Students are required to take one of the courses listed below. Course descriptions may be found in appropriate departmental listings inthis catalog.

Religion 128:	Introduction to Christian Theology
Philosophy 104:	Introduction to Philosophy
Religion 212:	World Religions
Religion 244:	Religion and Peace
Religion 346:	Explorations in Christian Thought and Culture
Religion 348:	Explorations in the History of Religions
English 162:	Interpreting Literature
English 222:	American Literature Since 1865
English 344:	Modern Literature of the Western World
History 209:	Ancient History: Greece or Rome
History 221:	The Twentieth Century European World
History 344:	History of ModernChina
History 346:	History of Modern Russia

Two foreign language courses beyond the 100-level may also be used to fulfill the humanities distribution requirement.

American Sign Language

Two majors offered at Maryville College draw on American Sign Language, the major in Sign Language Interpreting and the major in American Sign Language. Courses and major requirements are listed under Sign Language Interpreting in this catalog.

American Studies

Professor Beck, Coordinator

The minor in American Studies consists of 15 credit hours and involves courses in four fields. Required are History 112, Political Science 122, and English 221. Majors in History, Political Science, and English are required to take the two additional courses outside of their major field. These six additional hours are to be selected from the following list of courses. Courses are described under respective departmental listings.

History 111: History of the United States to 1865
History 112: History of the United States Since 1865

History 231: History of American Thought and Culture
History/Business 251: Economic History of the United States
History 349: Topics in American History

English 221: American Literature to 1865
English 222: American Literature since 1865

Political Science 122: American Government and Politics
Political Science 321: American Political Process
Political Science 322: The Judicial Process

Art

Associate Professor Bonham, Assistant Professor Bianco, Mr. Birdwell

THE MAJOR IN ART consists of 42 credit hours in studio art and art history. Required courses are 101, 102, 103, 105; two courses chosen from 201, 202, and 203; 222, 232, 303 (two terms), 312, 314, 316, and 351-352. Each art major is required to prepare a portfolio of art works which are presented in a senior exhibit.

A second track in the major, **ART FOR TEACHER LICENSURE,** consists of 36 credit hours in studio art and art history. Required courses are 101, 102, 103, 222, 232, 303 (two semesters), 312, 314, 316, 351-352 and an additional semester of 303 or 201, 202 or 203. Additional liberal studies requirements are Psychology 101, Speech 201 and Computer Science 123 (taken for two credit hours). Students pursing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in art consists of 15 credit hours, including one course from 101, 102 and 103; one course from 201-203, or 222 or 232; one from 312-316; and six additional hours in either art history or advanced studio work. Concentration in a single medium or in art history is advised.

101. Drawing
An introduction to the fundamental aspects of drawing, including line, tone, form, space, and composition. Emphasis on increasing visual awareness, the use of various drawing materials, and developing drawing skills.

3 credit hours

102. Two-Dimensional Design
An introduction to the principles of art structure in two dimensions, taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used.

3 credit hours

103. Introduction to Sculpture and Three-Dimensional Design
An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal,wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques,

and materials are explored. Acquisition and development of skills are stressed through workshops, demonstrations, lectures, and critiques.

3 credit hours

105. Beginning Art Appreciation
A course designed to give the student a basic background in the chief movements and developments within the visual arts during the past century. Modern techniques, new materials, and the impact of technology on the visual arts will be covered as well as the many movements and schools in which these have been incorporated. This course serves as a background for creative work in art studio courses as well as a short survey course for the general college student.

2 credit hours

201. Pottery
An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged. Offered 1991-92 and alternate years.

3 credit hours

202. Photography
Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. 35 mm camera required.

3 credit hours

203. Weaving
The study of traditional and contemporary techniques of fabric structure and embellishment. Interlacing, interlooping and knotting techniques are considered, along with the study of different loom and non-loom methods. Experimentation with fiber, color, and texture, resulting in unique creative designs for a specific use, is encouraged. Offered 1990-91 and alternate years.

3 credit hours

204. Graphic Design
Along with the study of successful design and layout skills, the course includes the study of graphic design history, its processes and techniques, illustration, typography, computer graphics and other image processing systems. Emphasis for the course focuses on the student's development of visual concepts, conceptual thinking and application of problem solving. Offered 1990-91 and alternate years.
Prerequisite: Art 102.

3 credit hours

222. Painting
An introduction to painting materials and techniques with emphasis on composition and the expressive use of color. Offered 1991-92 and alternate years.
Prerequisite: Art 101, 102, 105, or permission of the instructor.

3 credit hours

232. Printmaking
An introduction to basic printmaking processes, including intaglio, relief, silkscreen, and some photographic methods. Each student develops a portfolio of prints, concentrating on one process. Special attention is given to the imaginative and creative use of line, tone, texture, and color. Offered 1991-92 and alter-

nate years.
Prerequisite: Art 101 and 102 or permission of the instructor.

3 credit hours

303. Advanced Studio
Intensive work in one medium: drawing, design, painting, ceramics, printmaking, photography, sculpture, weaving, or jewelry. Advanced study in each medium is available during the term the introductory course is offered. Advanced students work in the same studio with beginning students but have additional weekly sessions for discussion and critique. The course may be repeated in the same area.
Prerequisite: An introductory course in the medium or permission of the instructor.

2 credit hours

312. Ancient and Medieval Art
An examination of painting, sculpture, and architecture in the western world during the ancient and medieval periods. The primary mode of instruction is lecture/discussion with slides. The course seeks to enhance the student's capacity for careful observation of different types of artistic expression. Offered 1990-91 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

314. Renaissance and Baroque Art
Architecture, sculpture, and painting in Italy and Northern Europe from the 14th through the 18th centuries. Attention is given to various methods of the art historian, including the study of iconography, analysis of styles, and comparative approaches. Offered 1990-91 and alternate years.
Prerequisite: English 270.

3 credit hours

316. Art of the 19th and 20th Centuries
An exploration of changing patterns of artistic expression in the modern world from Neo-Classic and Romantic to contemporary movements. The course emphasizes developments in the West, with some consideration of African and Asian influences. Offered 1991-92 and alternate years.
Prerequisite: English 270.

3 credit hours

343. Practicum
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists, and therapeutic centers. A practicum in art therapy with an agency offering psychological services requires completion of Psychology 101, 211, 301 and 331.
Prerequisite: One term of Art 303.

1,2,3 credit hours;
not to exceed 6

351-352. Senior Thesis
Individual study in either studio art with an exhibit and a formal paper or in art history involving command of the forms and usages of the formal paper. Ordinarily taken in the spring of the junior year and the fall term of the senior year.

6 credit hours

Biology

Associate Professors Ramger and Riordan, Assistant Professors Threadgill and Torres, Mr. Coker

The curriculum in biology provides the student with a broad biological background while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes of East Tennessee and short courses available at the Oak Ridge National Laboratory complement the curriculum. Four distinct majors are offered.

THE MAJOR IN BIOLOGY consists of 46 hours in biology and chemistry, providing a comprehensive curriculum for students planning careers in any of the numerous subfields of the biological sciences. With careful elective choice students may enter graduate school programs that lead to a variety of research-oriented careers. Required coursework includes Biology 115, 117, 221, 251, 281, 351, 352, 335 or 411, 499, and two courses chosen from 241, 321, 335, 344, 345, 361 and 411; and Chemistry 121 and 122. Students planning to attend graduate school are strongly recommended to elect Chemistry 223, 224 and 311, and Physics 101and 102. Suggested languages are German or French.

THE MAJOR IN ECOLOGY consists of 52 hours in biology and related fields and is designed for students anticipating graduate study and/or careers in ecology, field biology, botany, or environmental education. Required coursework includes Biology 115, 117, 221, 241, 281, 335, 345, 351, 352, 435, 499, and one course from 251, 321, and 411; Chemistry 121 and 122; and Mathematics 221. Strongly recommended elective coursework are Chemistry 223, 224, and 241; Physics 101 and 102, and a computer science course. Suggested languages are German or French. Students planning to attend graduate school in these disciplines should check specific entrance requirements early in their undergraduate programs since some schools may specify courses for admission beyond those required for this major.

THE MAJOR IN BIOLOGY FOR THE HEALTH PROFESSIONS consists of 54 hours in biology and related fields and is recommended for students planning post-graduate work in medicine, dentistry, physical therapy, optometry, or veterinary medicine. Required coursework includes Biology 115, 117, 221, 251, 321, 351, 352, 361, and 499; Chemistry 121, 122, 223 and 224; and Physics 101 and 102. Strongly recommended elective courses are Biology 411 and Chemistry 311. Suggested languages are German, French or Spanish. Specific entry requirements for particular programs may require courses for admission beyond those required for this major. The Adviser on Health-Related Professions in the Division of Natural Sciences is able to assist in these matters.

THE MAJOR IN BIOLOGY FOR TEACHER LICENSURE consists of 38 hours in major and related fields and is designed to

accommodate students planning careers as teachers of biology and of general and physical science at the secondary level. Requirements include Biology 115, 117, 217, 218, 221, 351, 352, 335 and 499; Chemistry 121, and 122. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (taken for two credit hours). Students pursuing this major must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in biology consists of 19 hours in biology, including Biology 115, 221 and three other courses in biology which satisfy major requirements.

115. Principles of Biology I
A broad introduction to the fundamental principles and concepts which describe and govern biological systems. Topics include: cellular ultrastructure and physiology; basic biochemistry of the cell; bioenergetics; photosynthesis, nuclear and cell division; Mendelian genetics; and the regulation of gene expression. Laboratory work will supplement and expand on lecture topics, dealing with cellular organization and function as well as biochemical and genetic processes.

4 credit hours

116. Introduction to Environmental Issues
Current topics of environmental concern, including consideration of conservation of natural resources and the environmental impact of human societies. Designed primarily for students majoring in elementary education but open to others by permission of the instructor. Usually taken in conjunction with Biology 115. Offered 1991-92 only.
Prerequisite or corequisite: Biology 115.

1 credit hour

117. Principles of Biology II
An introduction to the fundamental principles and concepts of organismal biology. Topics include: a survey of the Five Kingdoms and their phylogenetic relationships; a study of the anatomy and physiology of plant and human systems; reproduction and development; applied, community, and population ecology; and the concept of the evolution of living organisms as a unifying principle of biology. Laboratory work will supplement and expand on lecture topics, dealing with both anatomical and physiological systems of plants and humans; general systematics; and investigations into field biology.
Prerequisite: Biology 115

4 credit hours

201. Natural History
A field-oriented investigation of the landforms, flora and fauna of the Southern Appalachian region. Topics include: relationships between climate, geology and topographic features; recognition of common biotic communities; location and identification of habitats of characteristic plants, animals and fungi; roles these organisms play within communities; and impact of human activity on ecosystems. Substantial field work in the Great Smoky Mountains National Park, the Maryville College woods and local points of interest is required, including five

all-day trips on weekends throughout the semester.
Prerequisite: Natural Science 150 or other laboratory science course.

4 credit hours

216. Physiological Development of Children
An examination of the physiological development of the body and its systems through adolescence. The influences of genetic, nutritional, environmental and social factors on the physiological development of children.
Prerequisite: Psychology 211.

3 credit hours

217. Anatomy and Physiology I
A general survey of the structural and functional aspects of human anatomy and physiology of the skeletal, muscular and cardiovascular systems. A general introduction to cells and tissues is included. Emphasis is placed on the homeostatic role of the interdependence of various systemic functions. Laboratory work involves examination of models, anatomical dissections, study of human bones and experimentation in the areas of muscular physiology and cardiovascular/blood studies.
Prerequisite or corequisite: Chemistry 117 or 121.

3 credit hours

218. Anatomy and Physiology II
Continuation of Biology 217 in which the respiratory, digestive, nervous, endocrine, excretory, and reproductive systems are examined. Laboratory work involves examination of models, anatomic dissections, and experimentation that includes respiratory measurements, nerve conduction, reflex action, sense organs, and urinalysis.
Prerequisite: Biology 217.

4 credit hours

221. Genetics
A survey of genetics which blends classical concepts (Mendelian, cyto, immuno and population genetics) with modern biochemical and molecular explanations. The course emphasizes gene expression and regulation, bacterial and viral genetics, transposable elements, and gene cloning and manipulation. Examples are drawn from both plant and animal (including human) systems. Laboratory work provides opportunities to use classical transmission and cytological genetics as well as biochemical and molecular techniques.
Prerequisite: Biology 115

4 credit hours

241. Invertebrate Zoology
An introduction to the morphology and ecology of the major invertebrate phyla, protozoa through echinodermata. The protozoans and freshwater planktons are emphasized, as are insect ecology and taxonomy. Laboratory exercises involve collecting, culturing, and characterizing live freshwater and terrestrial invertebrates. An insect collection containing 50 families and 10 phyla is required. Offered 1990-91 and alternate years.
Prerequisite: Biology 115

4 credit hours

251. General Microbiology
The basic principles and methodologies of the study of microbial organisms with emphasis on the eubacteria. Topics include: cellular ultrastructure and physiol-

ogy, microbial metabolism and growth, properties and reproduction of viruses, microbial ecology, pathogenicity, and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation and identification of microbes, and mutation studies.
Prerequisite: Biology 221.

4 credit hours

281. General Botany
An introduction to the study of plants with emphasis on the angiosperms. Topics include: the plant kingdom; structure and development of the angiosperm plant body; growth, regulation, and growth responses; uptake and transport in plants; angiosperm evolution; and economic botany. The laboratory surveys the breadth of methodologies in botanical research with exercises representing the disciplines of: anatomy, ecology, morphology, physiology, and taxonomy. Offered 1990-91 and alternate years.
Prerequisite: Biology 117.

4 credit hours

321. Comparative Vertebrate Anatomy
A study of the structure, function and evolutionary adaptations of the major organ systems of the vertebrates. The skeletal, muscular, circulatory, respiratory, digestive, excretory, endocrine, nervous and sensory systems are examined in representative vertebrate groups. Laboratory work involves dissection of the major organ systems of the dogfish shark and the cat and comparisons of the systems of these forms with those of representative fish, reptiles and birds. Offered in 1990-91 and alternate years.
Prerequisite: Biology 117.

4 credit hours

335. General Ecology
An introduction to the principles and concepts of ecology, with emphasis on ecosystems and on the relevance of ecological principles to human affairs. Topics include: ecosystem structure, energy flow, material cycles, population dynamics, succession, and a survey of world ecosystems. Laboratory work emphasizes the collection, analysis, and interpretation of experimental data, and makes extensive use of controlled environmental chambers, the greenhouse and Maryville College woods. Offered 1991-92 and alternate years.
Prerequisites: Biology 117 and 221.

4 credit hours

343. Practicum in Biology
Practical experiences, either on or off-campus, that apply methodologies and techniques of the biological sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations.
Prerequisites: Junior or senior standing and department approval.

2 to 6 credit hours

344. Psychophysiology
Study of the anatomical and physiological structures which relate to psychological experience and behavior. Neurophysiology, particularly in regard to the chemistry of syaptic transmission, is emphasized. Same as Psychology 344.
Prerequisites: Biology 115 or Chemistry 117; Psychology 101.

3 credit hours

345. Limnology
An advanced, field-oriented study of the ecology of fresh water lakes and ponds. Lectures and laboratory work focus on developing a limnological picture for each of several Tennessee Valley Authority lakes and local ponds, with critical comparisons of their responses to seasonal variations. Topics include conservation and management of natural wetlands, EPA-designed water pollution testing, and a variety of techniques for sample collection and analysis such as depth curves, secchi disk readings, water chemistry, oxygen and temperature profiles, zooplankton and phytoplankton samples, and *E. coli* counts. Offered 1991-92 and alternate years.
Prerequisite: Biology 241.

3 credit hours

349. Special Topics in Biology
Seminars involving the detailed study of advanced topics in biology not encountered in other coursework. Selected subjects may include cytology, ornithology, and plant physiology. Offered as demand warrants.
Prerequisite: At least 15 credit hours in biology, junior standing, and permission of the instructor.

2 or 3 credit hours

351-352. Senior Thesis
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.
Prerequisite: At least 19 credit hours in biology and 8 credit hours in chemistry.

6 credit hours

361. Developmental Biology
A study of the mechanisms involved in two distinct levels of biological phenomena: growth, differentiation and development of both unicellular and multicellular organisms. Examples from differentiation and developmental studies of prokaryotic and eukaryotic systems are examined. In the laboratory, biochemical and molecular techniques are used to study unicellular and multicellular development. Offered 1991-92 and alternate years.
Prerequisite: Biology 221.

3 credit hours

411. General Physiology
A study of the major physiological processes involving the neuroendocrine, neuromuscular, cardiovascular, respiratory, digestive, excretory and reproductive processes and their interactions in the regulation of homeostasis. Selected topics include membrane transport, acid-base balance, neurotransmitters and synaptic transmission. The laboratory work involves the interpretation and analysis of physiological data gathered from physiographic recordings of electromyography, electrocardiography, neural transmission and pneumographic studied. Blood studies include the use of the hemacytometer and the Gilson respirometer.
Prerequisite: Biology 251.

4 credit hours

435. Advanced Ecology
A detailed treatment of the dynamics of populations and their interactions at the community level, with an emphasis on plant systems. Topics include: dispersal, dormancy, and recruitment; the effects of neighbors; the effects of predation;

demography; life and history strategies; and reproduction, community structure, and evolution. Laboratory work consists of guided individualized study projects based on field work in the Great Smoky Mountains National Park and the Maryville College woods, supplemented by experiments in the greenhouse and in controlled environmental chambers. Offered 1991-92 and alternate years. Prerequisites: Biology 281 and 335.

3 credit hours

499. Senior Seminar
Professional activities in the student's chosen field, such as special topic lectures, field trips, instruction in scientific paper preparation and presentation, discussion of issues and trends within the profession and discipline. Prerequisite: Junior standing.

1 credit hour

Business and Accounting

Associate Professor Brunger, Assistant Professors Berry, Kasper and Sullivan, Ms. Cuddy, and Dr. Crawford

THE MAJOR IN BUSINESS consists of a minimum of 48 hours in the principal and related fields and is designed to give the student a knowledge of the basic principles and analytical tools of business. To provide the broad perspective of the generalist, the student is introduced to a variety of business functions. This approach makes it possible for the student to consider a range of career fields, including retailing, banking, finance, marketing and insurance. Required courses are Business 215, 216, 302, 351, 352, 401, Economics 201, Management 305, Sociology 101, Mathematics 125 or 221, Computer Science 121, 123 or 217 and 15 hours chosen from Economics 321, 322, 331, 332 and Business 251, 336, 341, 342, 344 or 349.

The minor in business requires completion of at least 15 hours, including Business 215, 302 and Economics 201. The minor is completed with six hours chosen from Business 341, 342, 344 and 349.

The minor in accounting is designed to supplement a student's preparation in a major field. Although it will not prepare for direct entry into a career in accounting, it does provide additional depth in the field and background for further study.

The accounting minor requires completion of at least 15 hours, including Business 215, 216, and 344 and six additional hours chosen from Business 317, 318, and Computer Science 123 or equivalent.

215. Principles of Accounting
Introduction to income statements, balance sheets, changes in financial position, cash flowbudgets,ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation.

3 credit hours

216. Management Accounting
Internal use of accounting information by managers in decision-making. The generation and use of information in all types of organizations for planning and

control purposes, including budgeting and cost-volume-profit relationships.
Prerequisite: Business or Management 215.

3 credit hours

251. Economic History of the U.S.
Development from colonial times to the present in agriculture, industry, communications, transportation, banking and trade with emphasis on the Industrial Revolution, the Gilded Age, Populism, Progressivism, the New Deal, and the current state of the U.S. Economy. Special attention to ALCOA, TVA, and regional industrial/economic conditions. Offered 1991-92 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

302. Principles of Management
Study of modern managerial principles and processes relating to business, government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling.
Prerequisite: Sophomore standing and one course in the social sciences.

3 credit hours

317. Cost Accounting
The focus of this course is on interval accounting for planning and control. Topics covered include valuation of manufacturing and service processes, inventory control, and quantitative tools for decision-making. Offered in 1991-92 and alternate years.
Prerequisite: Business 216.

3 credit hours

318. Tax Accounting
An introduction to the preparation of tax materials for individuals and small organizations. Emphasis on reading and interpreting of tax regulations and computation of tax liability. Offered 1991-92 and alternate years.
Prerequisite: Business or Management 215.

3 credit hours

336. Operations Management
Analysis of concepts and techniques for decision-making in the operations function. Focus on identification and solution of problems in the production system. Topics covered include forecasting, production, planning, scheduling, quality control, and inventory control. Offered 1991-92 and alternate years.
Prerequisites: Management 302, Business/Management 215 and Math 120.

3 credit hours

341. Business Law
An introduction to the U.S. legal system involving case studies. Torts, contracts, agency and employment relationships, and commercial papers are considered. Offered 1990-91 and alternate years.
Prerequisite: Junior standing.

3 credit hours

342. Marketing
An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables: product, place, price, and promotion.
Prerequisite: Junior standing.

3 credit hours

343. Practicum in Business
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors.
Prerequisite: Senior standing and permission of the business faculty.
2,3 credit hours

344. Business Finance
Principles of financial management, including ratio analysis, forecasting, budgeting, sources of funds, valuation, cost of capital, and taxes.
Prerequisite: Business or Management 215.
3 credit hours

349. Selected Topics in Business
Examination of topics in business. Topics vary depending on interests of faculty and students. Offered as demand warrants.
Prerequisite: Six hours in management or business.
3 credit hours

351-352. Senior Thesis
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.
6 credit hours

401. Business Policy
A course designed to foster integration of the student's knowledge of various business functions. Business problems are analyzed using the case study method. Only open to students majoring in business.
Prerequisite: Senior standing and permission of the instructor.
3 credit hours

Chemistry

Professors Naylor and Bunde

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing chemist and yet permits concentration in the organic/biochemical or analytical/physical subdisciplines. Opportunity for study at National Laboratories such as Argonne, Brookhaven, Los Alamos, and Oak Ridge complement the curriculum. Three distinct majors are offered.

THE MAJOR IN CHEMISTRY consists of 50 hours of chemistry and related fields and provides a comprehensive curriculum for students planning careers in which chemical knowledge plays a central role. With careful elective choice students may pursue careers as professional chemists and/or enter graduate school programs that lead to a variety of research-oriented careers. Required coursework includes Chemistry 121, 122, 223, 224, 351, 352, 361, 381, 425, 499, and one course chosen

from 241, 311, 391 and 451; Mathematics 125 and 225; and either Physics 101 and 102 or Physics 201 and 202. Elective coursework in Computer Science is strongly recommended. Students planning graduate study in analytical or physical chemistry should elect additional coursework in mathematics and physics; additional coursework in biology for students anticipating biological applications. Suggested languages are German or French.

THE MAJOR IN CHEMISTRY FOR THE HEALTH PROFESSIONS consists of 55 hours in chemistry and related fields and is recommended for students planning post-graduate work in medicine, dentistry, optometry or veterinary medicine. Required coursework includes Chemistry 121, 122, 223, 224, 311, 351, 352, and 499; Biology 115, 117, 221, 251, and 321; and Physics 101 and 102. Strongly recommended elective courses are Chemistry 241 and 361, and Biology 361 and 411. Suggested languages are German, French or Spanish. Specific entry requirements for particular institutions should be ascertained early in the undergraduate program since some professional programs may require courses for admission beyond those required for this major. The Adviser on Health-RelatedProfessions in the Division of Natural Sciences is able to assist in these matters.

THE MAJOR IN CHEMISTRY FOR TEACHER LICENSURE consists of 37 hours in major and related fields and is designed to accommodate students planning careers as teacher of chemistry and of general and physical science at the secondary level. Requirements include Chemistry 121, 122, 223, 224, 241, 351, 352, 361, and 499; Biology 115, and 117. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (taken for two credit hours). Students pursuing this major must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in chemistry requires 19 hours, including Chemistry 121, 122, 223, 224 and three additional hours in chemistry courses that satisfy major requirements.

117. Fundamentals of Chemistry I
Introduction to the fundamentals of chemistry with special emphasis on inorganic chemical concepts. Topics include the physical properties of matter, the periodic relationships of matter, chemical bonding and nomenclature, basic stoichiometric and equilibrium relationships, the gas laws and kinetics, solution chemistry, and acid-base chemistry. Laboratory work emphasizes physical measurement, chemical stoichiometry, acid-base chemistry, and titrations. Prerequisite: Qualification to enter Mathematics 115 or 120.

4 credit hours

118. Fundamentals of Chemistry II
Introduction to the fundamental concepts of organic and biochemistry. Topics include a survey of the chemistry, nomenclature and reactivities of the major functional groups of organic molecules, an introduction to the structure and chemical properties of the basic biomolecules, and the catabolic and anabolic

pathways of metabolism. Laboratory work emphasizes the chemical properties and reactivities of organic compounds, the chemistry of lipids, proteins, and carbohydrates, basic enzyme chemistry, the chemistry of body fluids such as urine.
Prerequisite: Chemistry 117.

4 credit hours

119. Nutritional Biochemistry
A continuation and expansion of the concepts of biochemistry presented in Chemistry 118, with special emphasis on the relationship of nutritional chemistry to the basic biochemical pathways of metabolism. The course centers on clinical nutrition concepts and theories of diet and disease and on how they are related to infant, child, and adult growth, development and patient care and recovery.
Prerequisite: Chemistry 118.

4 credit hours

121. Principles of Chemistry I
An introduction to the concepts and principles which govern macroscopic chemical behavior. Among topics discussed are elements, compounds, and the periodic table; chemical equations and stoichiometry; the gas laws and kinetic molecular theory; thermochemistry; chemical equilibrium; and reaction kinetics and mechanism. Laboratory exercises stress development of proper experimental technique and the ability to interpret empirical data and reinforce principles introduced in the classroom. Chemistry 117 is a recommended first course for students having no previous chemistry and marginal mathematics skills.
Prerequisite: Qualification to enter Mathematics 115 or 120 and high school chemistry or sophomore standing.

4 credit hours

122. Principles of Chemistry II
Consideration of concepts and principles of chemical behavior at the microscopic level: physical and colligative properties of liquids and solutions; acid-base equilibria, pH, and buffers; ionic solid solubility; oxidation-reduction processes and electrochemical phenomena; atomic theory; quantum chemistry of atoms and molecules; chemical periodicity; intermolecular interactions and theories of bonding. The laboratory continues development of manipulative skills,with emphasis on quantative as well as qualitative procedures. Skills in scientific writing are developed though formal laboratory reports.
Prerequisite: Chemistry 121.

4 credit hours

223. Organic Chemistry I
An introduction to the extensive chemistry of carbon-containing compounds. The nomenclature and functional group chemistry of aliphatic organic molecules are emphasized, as are the mechanisms by which they react. The molecular orbital interpretation of chemical bonding, spectroscopic analysis, and chemical kinetics are employed to elucidate reaction mechanisms. Use of the chemical literature is introduced through *Chemical Abstracts, Science Citation Index,* and other reference materials. Laboratory experiments concentrate on separation methods, functional group analysis, and simple organic synthesis.
Prerequisite: Chemistry 122.

4 credit hours

224. Organic Chemistry II
An examination of the fundamental organic functional groups and their characteristic reactions, with special emphasis on biological, medicinal, pharmacologi-

cal, and industrial examples. A general introduction to the identification of each compound class by infrared, nuclear magnetic resonance and mass spectrometric analysis is included. Laboratory work stresses multi-step syntheses and characterization of reaction products using physical and spectroscopic methods.
Prerequisite: Chemistry 223.

4 credit hours

241. Quantitative Analysis
The principles and techniques of volumetric, gravimetric, and potentiometric methods of analysis. Lectures and laboratory work examine the theoretical and empirical aspects of analytical chemistry through topics, such as treatment of analytical data; theories of solution equilibria; titrimetry; complexation and precipitation reactions; and electroanalytical methods. Ultraviolet-visible and atomic absorption spectrophotometry are introduced for use in quantitative instrumental analysis. Offered 1991-92 and alternate years.
Prerequisite: Chemistry 122.

3 credit hours

311. Biochemistry
A detailed treatment of the major classes of biochemical molecules and their structure-function relationships. The physical and chemical properties of proteins, lipids, polysaccharides, and nucleic acids are emphasized through the study of the catabolic and anabolic reaction pathways by which they are metabolized. Special topics include genetic manipulation techniques, immunology, metabolic and degenerative diseases, and enzymology. The laboratory work involves separation, purification, and characterization of biochemically important molecules.
Prerequisite: Chemistry 224.

4 credit hours

343. Practicum in Chemistry
Practical experiences, either on or off-campus, that apply methodologies and techniques of the chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations.
Prerequisites: Junior or senior standing and department approval.

2 to 6 credit hours

349. Special Topics in Chemistry
Seminars involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are electrochemistry, radiochemistry, organometallics, polymer chemistry, and photographic chemistry. Offered as demand warrants.
Prerequisite: At least 16 credit hours in chemistry, junior or senior standing, and permission of the instructor.

1, 2, or 3 credit hours

351-352. Senior Thesis
Independent research in an area of special interest to the student. The project is carried out under the supervision of a faculty adviser and culminates in a formal paper as if for publication in a scientific journal.
Prerequisite: At least 19 credit hours in chemistry.

6 credit hours

361. Qualitative Organic
Methods of organic chemical analysis using classical wet-chemical tests, modern

separation techniques, and a broad range of spectroscopic instrumentation. Among the methods discussed are separation by high-pressure liquid chromatography and gas-liquid chromatography; infrared, visible, and ultraviolet spectrophotometry; mass spectometry; and proton magnetic resonance spectroscopy. The theory of each method, the practical aspects of sample preparation, and instrument maintenance are stressed. The laboratory centers on unknown sample identification using wet-chemical and spectroscopic techniques.
Prereqisite: Chemistry 224.

3 credit hours

381. Physical Chemistry I
An advanced study of the physical and chemical properties of systems at equilibrium. Chemical thermodynamics is the principal theme: fundamental laws of thermodynamics; Gibbsian and Maxwellian relationships; detailed characterization of gases; calorimetry and other thermochemical considerations. Other topics include colligative properties; vapor-liquid equilibria; phase rule and composition diagrams; and transport properties. Offered 1990-91 and alternate years.
Prerequisites: Chemistry 122 and Mathematics 225.

3 credit hours

391. Physical Chemistry II
An advanced study of the dynamics of chemical systems at the molecular level. Chemical kinetics and an introduction to statistical mechanics are the central themes: measurement of reaction rates and data reduction; transition-state theory; and reaction mechanisms, with emphasis on the steady-state approximation. Additional topics include the kinetic-molecular theory; the distribution laws of Maxwell and Bolzmann; partition functions of ideal gases; photochemistry; surface phenomena; and the theoretical basis of molecular spectroscopy. Offered 1990-91 and alternate years.
Prerequisites: Chemistry 381 and Mathematics 225.

3 credit hours

425. Physical Chemistry Laboratory
Physico-chemical measurement using modern analytical methods and instrumentation. The physical properties, thermodynamics, and kinetics of chemical systems may be investigated using methods such as calorimetry, polarimetry, refractometry, densitometry, potentiometry, and dilatometry. Experiments involving measurements of viscosity, surface tension, electrical conductivity, vapor pressure, and colligative properties may also be performed. The fundamentals of vacuum techniques are introduced, and use of the computer in problem-solving and reaction simulation is encouraged. Development of scientific writing and oral communication skills are stressed through formal laboratory reports and seminar presentations. Offered 1990-91 and alternate years.
Prerequisite: Chemistry 381. Corequisite: Chemistry 391.

2 credit hours

451. Quantum Chemistry
Fundamentals of quantum mechanics and symmetry arguments as they apply to spectroscopic analysis and elucidation of atomic/molecular structure. The experimental basis of quantum theory is examined along with a detailed description of wave mechanics and its methods. The natures of wave functions and quantum mechanical operators are introduced, and approximate solutions to the Schrodinger wave equation are obtained for simple systems. Other topics include spectroscopic term designation; calculation of physical constants; and

characterization of intermolecular forces and chemical bonding. Symmetry and group theoretical operations are discussed and applied. Offered 1991-92 and alternate years.
Prerequisites: Chemistry 122, Mathematics 225, and Physics 101 or 201.
3 credit hours

499. Senior Seminar
Professional activities in the student's chosen field, such as special topic lectures, field trips, instruction in scientific paper preparation and presentation, discussion of issues and trends within the profession and discipline.
Prerequisite: Junior standing.
1 credit hour

Child Development and Learning

Students who plan to work with children or enter a graduate program in child development may choose the major in child development. The major consists of 45 credit hours in psychology and related fields. Major requirements and course descriptions may be found under the listing for psychology.

Child Development and Learning is also the major pursued by students seeking teacher licensure for elementary grades. Major courses are listed under psychology, and professional courses are listed under education.

Computer Science

Professors Dent and Nichols, Assistant Professor Pietenpol, Mr Binder

THE MAJOR IN COMPUTER SCIENCE/MATHEMATICS consists of 52 hours in Computer Science and Mathematics. Courses required in Computer Science are 122, 219, 221, 301, 303, 311, 349 and 351-352. Courses required in Mathematics are 125, 225, 232, 235, 236, 321, and 326.

THE MAJOR IN COMPUTER SCIENCE/BUSINESS consists of 56 hours. Courses required are Computer Science 122, 123, 217, 221, 311, 313, 349, and 351-352; Mathematics 125, 221, and 225 or 232; Economics 201 and 322; Business 215, 302, 342, and 401. For students wishing to emphasize finance, Business 216 and 344 may be substituted for Business 302 and 342. The courses in business and economics are described under the respective departmental listings.

The minor in computer science consists of 16 credit hours. Computer Science 122 and 221 are required, as is one course chosen from 123, 217, and 219; also required are two 300-level courses.

121. Introduction to Computing: BASIC
An introductory course for students with little or no previous programming experience. Elementary computer terminology, machine organization, and programming projects in the BASIC language are stressed. Does not count toward

the major in Computer Science/Mathematics, Computer Science/Business, or the minor in Computer Science.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

3 credit hours

122. Introduction to Computer Science: PASCAL
An introduction to Computer Science and structured programming with the PASCAL language. Emphasis on program design, coding, debugging, documentation, and programming projects.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

4 credit hours

123. Application Software
A modularized study of three commonly used business, application-oriented software packages. Concepts of wordprocessing, spreadsheets, and data base management are studied with expertise gained with a leading package in each area. Student may take one or more of the three modules.
Prerequisite: Math 105 or satisfactory performance on the mathematics placement examination.

Each module = 1 credit hour

217. Intermediate Programming: COBOL
Structured programming in the COBOL language. Emphasis on program design, coding, debugging, and documentation with applications taken from business-related disciplines. Offered 1991-92 and alternate years.
Prerequisite: Some previous programming experience.

3 credit hours

219. Intermediate Programming: FORTRAN
Structured programming in the FORTRAN language. Emphasis on program design, coding, debugging, and documentation with applications taken from scientific disciplines.
Prerequisite: Some previous programming experience and Mathematics 115 or the equivalent.

3 credit hours

221. Computer Architecture
Introduction to computer organization and architecture. Hardware components, representation of data, machine language instruction, I/O devices, and operations.
Prerequisite: Computer Science 122.

3 credit hours

301. Assembly Language Programming
An introduction to assembly language programming on a microcomputer. Extensive practice in programming with assigned projects. Offered 1990-91 and alternate years.
Prerequisite: Computer Science 221.

3 credit hours

303. Discrete Structures
Discrete structures useful in computer science. Topics will include sets, logic, boolean algebra, graphs, trees, and combinatorics. Offered 1990-91 and alternate years.

Prerequisite: Computer Science 122, Mathematics 225 and 232.

3 credit hours

311. Data Structures and File Processing
An introduction to the concepts and techniques of structuring and manipulating information. Topics include sequential access files, random access files, elementary data structures, linked lists, stacks, sorting, and searching. Offered 1991-92 and alternate years.
Prerequisite: Computer Science 122.

3 credit hours

313. Data Base Management Systems
A course in the design, function, and application of data base management systems. Offered 1991-92 and alternate years.
Prerequisite: Computer Science 123 and 311.

3 credit hours

349. Selected Topics in Computer Science
Topics selected from such areas as operating systems, artificial intelligence, and computer graphics, depending on current faculty and student interests. Offered 1990-91 and alternate years.
Prerequisite: Computer Science 221 and permission of instructor.

3 credit hours

351-352. Senior Thesis
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

6 credit hours

Dance

241-246.
Instruction in dance is available through the Van Metre School of Dance, which has studios on the Maryville campus. Students enroll for one credit hour per term. A maximum of six hours may be counted toward graduation requirements.

Debate

Intercollegiate debate is available as a credit and a non-credit offering. Students may enroll in two semesters of debate for three credit hours; enrollment in additional semesters is for one credit hour per semester. A maximum of 12 credit hours in debate may be earned.

Ecology

THE MAJOR IN ECOLOGY consists of 52 credit hours in biology and related fields. It is designed for students anticipating graduate study and/or careers in ecology, field biology, botany, or environmental education. Major requirements and further information may be found under the biology listing.

Economics

Associate Professor Howard, Assistant Professor Kasper, Ms. Cuddy

The major in economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

THE MAJOR IN ECONOMICS consists of a minimum of 42 hours in economics and related fields. Required courses in economics are 201, 221, 321, 322, 331, 334, and 325 or 332 or 349, 351 and 352. Additional courses required include Business 215, Sociology 101, Mathematics 125 or 221, Social Science 301, and Political Science 122 or 232.

The minor in economics consists of 15 hours, including 201, 321, 322 and six hours chosen from 221, 325, 331, 332, 334, and 349.

A second track in the major, **ECONOMICS/HISTORY FOR TEACHER LICENSURE**, leads to licensure in economics with a secondary emphasis in history. The track requires 37 hours. Courses required in economics are 201,221, 321, 325, 331, 334, 351 and 352; courses required in history are 111, 112, 221, and either 342 or 344. Additional liberal studies requirements are Psychology 101, Speech 201 and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

201. Principles of Economics
A survey of economic principles and institutions. Topics include the philosophical foundations of market economies, supply and demand, competition and monopoly, the monetary system, and determination of national income and prices. Scarcity, inflation, and unemployment are addressed.

3 credit hours

221. Economic Development
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, and trade. Offered 1991-92 and alternate years.

3 credit hours

321. Macroeconomics
Macroeconomic theory and analysis, including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment, and expectations are studied, and current economic issues are examined. A computer laboratory is included. Offered 1991-92 and alternate years. Prerequisite: Economics 201.

4 credit hours

322. Microeconomics
Microeconomic theory and analysis, including consumer demand, prediction, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered.
Prerequisite: Economics 201.

3 credit hours

325. International Trade and Finance
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise. Offered 1990-91 and alternate years.

3 credit hours

331. Public Policy Toward Business
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Selected aspects of government ownership and operation of enterprises and promotion and protection of business interests are considered. Offered 1991-92 and alternate years.
Prerequisite: Economics 201.

3 credit hours

332. Money and Banking
Study of the nature and function of money, banks, and financial markets; the role of money in the economy, monetary theory and policy; the Federal Reserve System and money supply process; international monetary relationships. Offered 1991-92 and alternate years.
Prerequisite: Junior standing and Economics 201.

3 credit hours

334. History of Economic Thought
An examination of the development of economic thought since ancient times. The course emphasizes the emergency of economics as a social science from the late 18th century to the present. Offered 1991-92 and alternate years.
Prerequisite: Economics 201.

3 credit hours

349. Selected Topics in Economics
Focuses on timely topics in national or international economics not covered in other department courses. Course content varies from year to year. Offered as demand warrants.
Prerequisite: 9 hours in economics or permission of the instructor.

3 credit hours

351-352. Senior Thesis
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

6 credit hours

Education

Assistant Professor Keith, Director of Teacher Education; Assistant Professors Jacob and Simpson.

Teacher Education Professional Courses

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in the liberal arts, specialized courses in a major field of study, and a professional education component. For students who plan to teach in the elementary grades, Maryville College offers a program designed to prepare students for licensure for grades K- 8, with a K-4 specialty area. These students complete the major in Child Development and Learning offered through the Division of Behavioral Sciences and Human Services. Those interested in teaching at the secondary level (grades 7-12) complete the appropriate major in the area in which they plan to teach. Additional professional courses designed to prepare students to meet licensure standards must also be taken. These are listed below.

SECONDARY LICENSURE: PER 236, Psychology 218 and 334, Education 301, 321, 343 (two credits), 399 (may be combined with Senior Thesis 352), and 401.
ELEMENTARY LICENSURE: Education 301, 307, 320, 321, 322, 399 (may be combined with Senior Thesis 352), and 401.

Careful planning of one's course of study is necessary to insure that all general, major, and professional teacher licensure requirements are met within the framework of four years. It is particularly important to complete Psychology 101, Introductory Psychology, in the freshman year. Students should meet with the adviser for teacher licensure in their major area as soon as possible.

Admission to Teacher Education is not automatic and occurs only after certain qualifications are met. A minimum cumulative grade point average (GPA) of 2.5 is required in addition to a minimum score on certain standardized tests. The Level I screening process is fully explained at a screening meeting held in October and February each year. It includes, in addition to the GPA and standardized test requirements, a writing sample from the candidate, satisfactory recommendations from faculty and others, a speech and hearing screening, and an interview with the Screening Committee. Admission to Teacher Education is considered conditional until Level II of the process is completed the semester prior to student teaching. No courses with an Education prefix may be taken unless a student has been accepted into the Teacher Education program through the Level I screening process.

301. General Methods and Classroom Management
Four general areas of classroom knowledge are identified. Students are provided with a repertoire of research-based strategies within each of these four areas for both the management and instruction of children. Directed observation of classrooms and planned micro- teaching experiences are an important aspect of this course.
Prerequisite: Psychology 218.

3 credit hours

307. Instructional Strategies for Mathematics
This course, to be taken with Mathematics 207, provides instruction in the design and implementation of elementary mathematics lessons, including the use of manipulatives, computer assisted instruction and calculators. Directed field study and planned micro-teaching experiences are an important aspect of this course.
Prerequisites: Psychology 211 and Computer Science 123.

2 credit hours

320. Reading and Writing K-4
This course provides students with an understanding of the processes involved in the development of the ability to read and write. Students will be able to use the major approaches designed to teach reading and will be able to assist pupils in developing effective written communication. The use of the computer for instruction and directed field study are included in this course.
Prerequisites: Psychology 211 and 306, Education 301.

3 credit hours

321. Reading and Writing in the Content Classrooms
Instruction and practice in various strategies designed to integrate and reinforce reading and writing for meaning in all subject areas. Emphasis is on using textbooks and other printed material to facilitate reading comprehension and concept development.
Prerequisites: Psychology 218 and Education 301.

2 credit hours

322. Instructional Strategies for Science and Social Studies
An examination of alternative approaches to the teaching of science and social studies including unit planning, investigations/inquiry, problem-solving, thematic integration. Emphasis is on selecting and translating content knowledge into appropriate instructional experiences for children. The use of computers for instruction and directed field experiences are included.
Prerequisites: Psychology 211 and Education 301.

2 credit hours

343. Practicum in Methods and Materials
Field-based, professionally directed experiences which familiarize students with the curriculum and with the instructional knowledge and skills appropriate for use in a selected K-12 program area. This course is designed by Maryville College faculty in conjunction with area field-adjunct faculty.
Prerequisites: Psychology 218 and Education 301. This course must be arranged with the Director of Teacher Education the semester prior to beginning the practicum.

1, 2 or 3 credit hours

399. Student Teaching Seminar
This course is offered in conjunction with Student Teaching. It is designed to provide new members of the profession with a sense of identity as teachers, and with the knowledge and skills necessary to encourage their continued professional growth. Emphasis is on self-reflection on practice, the exploration of the multiple contexts of teaching, the analysis of the classroom and school as workplaces, and peer problem-solving. When Senior Thesis 352 is integrated into the seminar, individual field-based or "action" research is completed during the semester under the guidance of faculty supervisors and the student's cooperating teacher. The resulting project will demonstrate the command of the

forms and usage of the formal paper.
Prerequisites: Acceptance into Level II of Teacher Education, permission of the Director of Teacher Education when Senior Thesis 352 is integrated into the seminar.

3 credit hours

401. Student Teaching
A full-day, supervised teaching experience in at least two classrooms under the guidance of Maryville College faculty and cooperating classroom teachers. The Professional Seminar on Teaching (Education 399) is taken in conjunction with this course. No other coursework may be taken during student teaching.
Prerequisite: Acceptance into Level II of Teacher Education.

9 credit hours

Engineering

Professor Nichols, Coordinator

The dual degree program in engineering is described in the catalog section on pre-professional programs. Ninety-six credit hours must be earned at Maryville, with the remainder completed at the cooperating institution. The program is highly structured, and most of the courses are part of a sequence. For that reason, one's course of study must be carefully planned to insure that all general education and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 235 and 236, Physics 201, 202, and 203, Chemistry 121 and 122, Computer Science 219, and Senior Thesis 351.

See course listings under appropriate departments.

351. Senior Thesis in Engineering
Individual study under the guidance of a faculty supervisor involving the command of the forms and usages of the formal paper.

3 credit hours

English

Professor Beck, Associate Professors Bushing and Schneibel, Assistant Professors Butts and Overstreet, Ms. Byrd and Mr. Powell

The majors in literature in English or in Writing/Communication are recommended for a variety of careers. The skills emphasized in organized thinking, writing, and research prepare the student not only for teaching and for the many branches of editing and publishing but also for other professions such as law, medicine, and the ministry. These same skills are in demand in business and industry, where leadership positions go to those who can think logically and express themselves clearly.

THE MAJOR IN LITERATURE IN ENGLISH requires a minimum of 36 hours in departmental courses above the 130-level, including 162, 311, and 351-52. Three related courses in history are required, to be chosen from History 111, 112, 211, and 212. The foreign language

requirement (a two-course sequence) should be chosen from French, German or Spanish.

A second track in the major, **ENGLISH FOR TEACHER LICENSURE,** consists of 36 credits in English. Two related courses are to be chosen from History 111, 112, and 212. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (two credit hours). Students pursuing this track must complete 27 hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in literature in English requires the completion of 15 hours of English above the 130-level, including English 162 and 311. Other courses may be chosen on the basis of the student's particular interest.

THE MAJOR IN WRITING/COMMUNICATION requires a minimum of 40 hours in English above the 130-level and six hours in related courses. All majors must take English 162, 216, 219, 311, 337 or 343 and 351-52. Nine additional hours in literature must be chosen from English 221, 222, 332, 334, 335, and 336. Twelve hours in writing must be chosen from English 215 (a maximum of six hours), 217 and 325. All writing majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The minor in writing/communication requires 15 hours in writing above the 130-level, including English 216 and 219. The remaining hours may be chosen from English 215, 217 and 325.

115. Fundamentals of English Usage

A basic course in expository writing that combines systematic study of grammar and mechanics with exercises in sentence combining, practice in paragraph and essay writing. Students may expect to acquire writing skills that will be useful in all college courses.

3 credit hours

130. Composition and Research

A course in organization and research methods, with major emphasis on the library paper. Taking a multi-disciplinary approach to expository writing, it includes a review of the mechanics of writing, attention to style, and practice in oral reporting.

Prerequisite: Placement into the course or English 115.

3 credit hours

162. Interpreting Literature

A genre approach with concentration on the forms of the short story, drama and poetry, the course is designed to cultivate skills in analysis and appreciation of works ranging from the classical Greek to the contemporary American and Continental. Through class discussion, oral and written reports, and presentations, the students model processes by which literature is taught and meaning enhanced.

Corequisite: English 130.

3 credit hours

208. Children's Literature

A historical and critical overview of children's literature from the 15th century

to the present with emphasis on milestone books, authors and illustrators. Attention is given to literary styles, genres, the relationship of art and text, and criteria for judging contemporary literature. Offered 1991-92 and alternate years.
Prerequisite: English 130.

3 credit hours

215. Creative Writing
Group discussion and individual conferences on students' writing. Courses may be offered in the writing of fiction, poetry, or plays and scripts. Specific assignments that allow development of creative and analytical skills will be given in all courses.
Prerequisite: English 130.

3 credit hours

216. Publications
Working as a staff member on either the *Highland Echo*, the *Chilhowean*, or *Impressions*. This course can be taken for a maximum of four credit hours, at one credit hour per semester, for service on the *Echo* or *Chilhowean* staff. For service on the *Impressions* staff, one may receive a maximum of two credit hours, at one credit hour per academic year. (This assumes a full nine months service).
Prerequisite: English 217 for *Echo* or *Chilhowean*, and sophomore standing for *Impressions*.

1 credit hour

217. Journalism
An introduction to the history, ethics and practice of print journalism. Courses may be offered in newspaper and magazine reporting and writing, or in newspaper and magazine editing, layout and design.
Prerequisite: English 130.

3 credit hours

219. Advanced Composition
The study and practice of nonfiction prose, with an emphasis on rhetorical strategies, style, and audience. Students are required to engage in a semester-long project on some aspect of writing or writing theory. Offered 1990-91 and alternate years.
Prerequisite: English 130.

3 credit hours

221. American Literature to 1865
A chronological approach to the development of American literature from its beginnings to the end of the Civil War. After a brief survey of the colonial period, the emphasis is on such writers as Poe, Emerson, Thoreau, Hawthorne, Melville, Whitman and Dickinson.
Prerequisite: English 130

3 credit hours

222. American Literature Since 1865
A survey of American literature from the post-Civil War period to the present, from Mark Twain to the contemporary poets, with attention to such writers as James, Eliot, Frost, Fitzgerald, Faulkner, Hemingway, Williams and Miller.
Prerequisite: English 130.

3 credit hours

270. Western World Literature from the Greeks to the 17th Century
A course designed to acquaint the student with some of the Western World's literary masterpieces in translation and with a selection of significant English literary works through Milton.
Prerequisite: Sophomore standing.

3 credit hours

311. History of the English Language
The history and development of the English language based on textual analysis of Old, Middle, and Early Modern English, with some attention to modern grammar and linguistic theory.
Prerequisite: Junior standing.

3 credit hours

312. History and Literature of Western Theatre I
A combination lecture, reading and discussion course which traces the evolution of Western theatre from Dionysian ritual in ancient Athens to 17th century France. Theatre architecture and organization, works of dramatic literature, and theoretical treatises on performance will be studied in relation to the social and intellectual history of each major era. Specific attention will be paid to fifth century Athens, ancient Rome, Elizabethan England, the Italian Renaissance, and French Neoclassicism. Offered as demand warrants.
Corequisite: English 270.

3 credit hours

313. History and Literature of Western Theatre II
A continuation of English 312. Specific attention will be paid to the English Restoration, German Romanticism, the emergence of the middle-class theatre, realism, the 20th century avant-garde, and post modernism. The class will read and discuss plays from each period. Offered as demand warrants.
Corequisite: English 270.

3 credit hours

322. Major Periods in American Literature
Explorations in depth of such significant American literary movements as the American (19th C.) Renaissance, Realism and Naturalism, the Southern (20th C.) Renaissance, modernism, and postmodernism. Content will vary, and the course will be offered in alternate years.
Prerequisite: Junior standing.

3 credit hours

325. Business, Technical and Scientific Writing
The study and practice of various written formats used in professional writing, including memos, letters, reports, and manuals of instruction. Practice of listening, speaking, editing, and group communication skills are also emphasized. Courses may be offered in business writing or technical and scientific writing.
Prerequisite: Junior standing.

3 credit hours

331. English Literature of the Middle English Period
The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds and on other important works of the Medieval Period, such as *Piers Plowman, The Pearl, The Wakefield Cycle,* and medieval lyrics. Offered 1990-91 and alternate years.
Prerequisite: Junior standing.

3 credit hours

332. English Literature of the Elizabethan Period
A study by Shakespeare and his chief contemporaries with equal emphasis on the comedies, tragedies and histories as well as attention to the historical and literary backgrounds of the period. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

333. English Literature of the 17th Century
A study of the poetry and prose of the 17th century to Dryden. Emphasis in poetry is on the schools of Donne and Jonson, culminating in a study of the major works of Milton. Offered 1990-91 and alternate years.
Prerequisite: English 162 and 270

3 credit hours

334. English Literature of the Restoration and 18th Century
A survey of literature from 1660 to 1790, with emphasis on the writing and influence of Dryden, Swift, Pope, Johnson, and Boswell. The course also deals with the emergence of new trends such as the periodical essay and other literary forms of the period. Offered 1990-91 and alternate years.
Prerequisite: English 162 and 270.

3 credit hours

335. English Literature of the 19th Century
A study of the poetry and non-fiction prose of the English Romantic and Victorian periods. Writers to be studied include Wordsworth, Coleridge, Byron, Shelley, Keats, Tennyson, Browning, Carlyle, Arnold, Ruskin, and the Pre-Raphaelites. Offered 1990-91 and alternate years.
Prerequisite: English 162 and 270.

3 credit hours

336. Twentieth Century British Literature
A survey of the works of such major authors as Shaw, Lawrence, Joyce, Woolf, Yeats, Eliot, Auden, and Beckett, as well as some of the important literary groups or movements. Included also are the writings of promising contemporary writers. Offered 1991-92 and alternate years.
Prerequisite: English 162 and 270.

3 credit hours

337. Internship in Writing/Communication
Field experience that provides an introduction to careers in writing and communications through work on the writing staff of a newspaper, magazine, publishing house, or related enterprise. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.
Prerequisite: English 217, 219 or 325.

9-15 credit hours

343. Practicum in Writing/Communication
On- or off-campus experience that provides an introduction to careers in writing and communications. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour earned.
Prerequisite: English 217, 219 or 325.

2-6 credit hours

344. Modern Literature of the Western World
Study includes works in the Anglo-American-European tradition. Readings from such authors as Moliere, Tolstoy, Kafka and Eliot are examined to discover trends and developments in some of the philosophical, historical, and aesthetic movements of the past three hundred years.
Prerequisite: English 270.

3 credit hours

347. The English Novel
A study of the English novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and Gothic, the course concentrates on the major novelists. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

348. Critical Theory
A historical survey of the theory and practice of literary criticism from the classical Greeks to the moderns, with special attention given to various contemporary critical theories. Students will be encouraged to formulate their own set of theoretical questions and methods of practical criticism. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

349. Special Topics in Literature
Course content varies from year to year to meet the special interests, abilities, and needs of advanced students. Offered as demand warrants.
Prerequisite: Junior standing.

3 credit hours

351-52. Senior Thesis
Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research and the preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year.
Prerequisite: Completion of a minimum of four upper-division English courses, excluding 270.

6 credit hours

English as Second Language

Mr. Franklin, Director of the Center for English Language Learning

The Center for English Language learning offers courses for credit to students who enroll in Maryville College. A more complete description of the Center can be found in the Admissions section of this catalog.

101. Composition for ESL Students
A semester-length course for international students who have studied English as a second language but need additional work to reach college-level proficiency in English writing and rhetoric necessary for writing requirements of regular academic courses. Those who demonstrate mastery of writing skills, through standardized tests and writing samples, may begin with English 115 or 130.

3 credit hours

Courses offered in five-week intensive modules are as follows:

Beginning: levels 1 & 2	1 credit hour
Elementary: levels 3 & 4	2 credit hours
Intermediate: levels 5 & 6	2 credit hours
Advanced: levels 7 & 8	2 credit hours
Part-time: level 9	2 credit hours

Foreign Languages

Instruction is available in seven foreign languages; a major is offered in Spanish. Course descriptions can be found under listings for French, German, Greek, Japanese, Latin, Spanish and Sign Language Interpreting.

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific skills that are increasingly useful in a closely interrelated world. Business majors who know Spanish or Japanese, for example, will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

French

Ms. Curry

110. Elementary French I
An introduction to French emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Students are introduced to the concept of cultural diversity and are encouraged to develop an awareness and appreciation of other cultures. Class meetings are supplemented by drill sessions in which students practice the grammatical concepts introduced in the master class.

4 credit hours

120. Elementary French II
A sequel to French 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. Diversity in communication styles within the French-speaking world is introduced.
Prerequisite: Placement into the course or French 110.

3 credit hours

201-202. Intermediate French I and II
An introduction to French literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. The class is conducted entirely in French, including discussion of the content and style of the works being studied. The course provides a review of basic French grammar, concentrating on more advanced grammatical struc-

tures. The student is further acquainted with French culture through the literature of French-speaking countries. Offered as demand warrants.
Prerequisite: Placement into the course or French 120.

3 credit hours for each course

German

Associate Professor Schneibel, Ms. Clark

The minor in German consists of at least 15 hours in German, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward the minor. Credits beyond German 201-202 must be earned through a semester or year of study in Germany. Maryville College cooperates with Alma College's program of study in Kassel, Germany, and other opportunities to study in Germany are available, subject to departmental approval.

110. Elementary German I
An introduction to German emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Students are introduced to the concept of cultural diversity and are encouraged to develop an awareness and appreciation of other cultures. Class meetings are supplemented by drill sessions in which students practice the grammatical concepts introduced in the master class.

4 credit hours

120. Elementary German II
A sequel to German 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence building are stressed in class and drill sessions. Diversity in communication styles within the German-speaking world is introduced.
Prerequisite: Placement into the course or German 110.

3 credit hours

201-202. Intermediate German I & II
An introduction to German literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. The class is conducted entirely in German, including discussion of the content and style of the works being studied. The course provides a review of basic German grammar, concentrating on more advanced grammatical structures. The student is further acquainted with German culture through the literature of German-speaking countries.
Prerequisite: Placement into the course or German 120.

3 credit hours each course

Greek

Professor Cartlidge

110-120. Elementary Hellenistic and Koine Greek I & II
Designed to prepare student to read the literature of the early church and its environment. The basic texts are the New Testament, early church literature,

and other literature of the Greco-Roman world. Offered 1990-91 and alternate years.

110: 4 credit hours
120: 3 credit hours

201. Intermediate Hellenistic Greek
Interpretive reading of the literature of the early church, pagan, and Jewish authors. Offered as demand warrants.
Prerequisite: Greek 120 or the equivalent.

3 credit hours

History

Professor Lewis, Associate Professors Kratz and McNiell

History is a discipline concerned with the variety of humankind and with social and cultural change over time. The study of the past offers liberation from confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth. The department offers a major that serves as preparation for those considering careers in law, journalism, the ministry, teaching, business, and library or public service.

THE MAJOR IN HISTORY consists of 45 hours, including 36 in history and 9 in related fields. Courses required in history are 111, 112, 209, 211, 212, 221, and 351-352. Nine hours are selected from 231, 251, 313, 314, 315, and 349, and 3 hours are selected from 342, 344, and 346. Related courses are English 221, Art 312 or 314 and one course chosen from Social Science 303, Political Science 211, Sociology 211, and Philosophy 201 or 203. Students anticipating graduate study in history are strongly advised to acquire intermediate-level proficiency in either French or German.

A second track in the major, **HISTORY FOR TEACHER LICENSURE,** consists of 30 semester hours in history and six hours in related coursework. Courses required in history are 111, 112, 209, 211, 221, 351 and 352. Six semester hours are selected from History 231, 251, 313, 314, 315 and 349. (Students who take both History 180 and 190 take only three hours from the preceding course list). Three semester hours are selected from History 342, 344 and 346. Related courses are Political Science 122 and 211 or Economics 201 and 322. Additional liberal studies requirements are Psychology 101, Speech 201 and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

To complete the requirements for an additional area of emphasis in either political science or economics, the two related courses in one of these areas may be supplemented with Social Science 220, an additional course in the same area or a general education course with a political science or economics emphasis, specifically a section of Humanities 390 or an interim approved by the departmental adviser.

The minor in history consists of 18 hours, including 111, 112, 211, and three other courses above the 100-level.

111. History of the United States to 1865
Consideration of the colonial experience, struggle for independence, federal period, transcontinental experience, and the North-South struggle.
3 credit hours

112. History of the United States Since 1865
Emphasis on industrialism and its consequences and the emergence of the United States as a World Power.
3 credit hours

209. Ancient History
In alternative offerings the course considers Greece or Rome. When Greece is the subject, the focus is on the crisis of the fifth century B.C. and its consequences. When Roman history is being examined, both the Republic and the Empire are considered, with emphasis on political, legal, and cultural aspects. Roman history is offered in 1991-92; Greek history in 1990-91.
3 credit hours

211. History of England to 1660
Development of the British Isles from prehistoric times through the Tudor period. Special emphasis upon emerging constitutional and cultural patterns and institutions.
3 credit hours

212. History of England: 1660-1950
Examines the religious and constitutional upheavals of the 17th and 18th centuries, the growth of the empire, industrialism, and the socio-economic and cultural consequences of these upon modern Britain.
3 credit hours

221. The Twentieth Century European World
Traces the culmination and decline of Europe's world preeminence. Deals with issues such as the causes and impact of two World Wars, the changing shape of the world economy, ideological and cultural shifts, and major social trends through the 1960's.
3 credit hours

231. History of American Thought and Culture
Puritanism; the Enlightenment; the Romantic impulse; the Americanization of Christianity; the Southern intellectual tradition; the impact of naturalism, science, and higher education; the counterculture; the New Right. Offered 1990-91 and alternate years.
Prerequisite: History 111 or 112, or Social Science 220, or English 221.
3 credit hours

251. Economic History of the United States
Development from colonial times to the present in agriculture, industry, communications transportation, banking, and trade, with emphasis on the Industrial Revolution, the robber barons Populism, Progressivism, the New Deal, and the current state of the U.S. Economy. Special attention is given to ALCOA, TVA, and the industrial and economic conditions in the region. Offered 1991-92 and alternate years.

Prerequisite: Sophomore standing.

3 credit hours

313. Europe in the Middle Ages
Search for Community; European genesis in the decaying Roman Empire; attempts at socio-economic synthesis under the auspices of the Church, Empire, feudal institutions and nation-states. Offered 1991-92 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

314. Renaissance and Reformation
The breakdown of the medieval synthesis from the 14th to the 17th centuries. Religious schism and reformation; nation state-making and new political theory; humanism and its consequences in the arts, education and society; economic and political expansion of Europe. Offered 1991-92 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

315. Nineteenth Century Europe: 1789-1900
The French Revolution, the Industrial Revolution and their heritages—nationalism, liberalism, democracy, socialism. Challenge to religious, intellectual, scientific and artistic foundations. Offered 1990-91 and alternate years.
Prerequisite: Junior standing or above.

3 credit hours

342. History of Africa
The African peoples, their empires and kingdoms; their contacts with Greco-Roman, Persian, Arab, and European worlds. Emphasis on developments of the 19th and 20th centuries—slavery, the scramble for hegemony, colonial systems, independence movements, and the new states.
Offered as demand warrants.

3 credit hours

344. History of Modern China
An examination of developments in China in the century and a half after 1800. The transformation of traditional society, the impact of western influence, the development of nationalism from its inception to the establishment of the People's Republic in 1949. Offered 1991-92 and alternate years.

3 credit hours

346. History of Modern Russia
Traces the growth of the Russian state, the role of the Great Russians and other peoples of this empire, beginning with Muscovite expansion, the Romanov empire, the background (social, political, intellectual) of the 1917 revolutions, and the emerging Soviet society and its role in the 20th century. Offered 1990-91 and alternate years.

3 credit hours

349. Topics in American and European History
A course with subject matter that changes from year to year, depending on the particular interests of faculty and students. Offered as demand warrants.

3 credit hours

351-352. Senior Thesis
Individual study with the guidance of a faculty superviser involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term

of the junior year and the fall term of the senior year.

6 credit hours

International Studies

Professors Kim (Coordinator), Boldon and Lewis, Associate Professors Brunger and V. Schoen, Dr. Cowan, Ms. Franklin

The major in international studies combines work in several related disciplines with language study and a period of time overseas. The program focuses on East Asia, with emphasis on Japan, Korea, and China.

THE MAJOR IN INTERNATIONAL STUDIES consists of at least 36 hours in course work, in addition to study needed to develop sufficient language proficiency. Required courses are Political Science 211 and 212, Sociology 211, Economics 221, Social Science 303, and International Studies 351-352. Fifteen additional hours of course work on the region must also be completed, with nine hours in the humanities or arts, and six hours in the social sciences.

The courses in humanities and arts may include History 344, Religion 348, suitable special topics of Interim courses, or appropriate courses offered at an approved institution. The courses in the social sciences may be chosen from Political Science 311 and 312, Economics 325, suitable special topics or Interim courses, or appropriate courses offered at an approved institution. Descriptions of courses regularly offered are given in other sections of this catalog.

The language requirement is proficiency in Japanese, Chinese or Korean beyond the intermediate level. Proficiency may be demonstrated, and the requirement satisfied, without enrollment in college courses. For those who elect formal course work, proficiency beyond the intermediate level is defined as completion of more than twelve semester hours with a grade of "C" or better.

An essential component of the major is a period of study in the region of at least six weeks duration. Such study may be done at Kansai University of Foreign Studies (Kansai Gaidai) in Japan or at Han Nam University or Yonsei University in Korea, institutions with which Maryville College has student exchange agreements, or other approved colleges offering programs for native English-speakers. Enrollment at Kansai, Han Nam, and Yonsei may be for either one or two semesters; up to 16 credit hours can be earned for each semester.

Also available for satisfying this requirement are the summer programs of the Minami Hokkaido International Cultural Exchange Center (MIC), located in Hokkaido. Both Kansai and MIC provide opportunities for living with a Japanese family. Supplementary travel or work beyond the organized study is strongly encouraged, and up to six additional credit hours may be earned thereby. If the student desires, the period abroad may satisfy the graduation requirement for two experiential interim courses.

The minor in international studies consists of 15 hours. It must include Political Science 211 and 212, Sociology 211 or Social Science 303, Economics 221 or 325, and one course chosen from History 342 or 344 (both have prerequisites), or Political Science 311 or 312.

Economics 221: Economic Development.
Economics 325: International Trade and Finance.
History 344: Modern China.
Japanese 110-120: Elementary Japanese.
Japanese 201-202: Intermediate Japanese.
Political Science 211: Comparative Government and Politics.
Political Science 212: International Politics.
Political Science 311: Government and Politics of East Asia.
Political Science 312: Comparative Foreign Policy.
Religion 348: Explorations in the History of Religions
Social Science 303: Cultural Geography.
Sociology 211: Cultural Anthropology.
International Studies 351-352: Senior Thesis.

Japanese

Ms. Franklin

110-120. Elementary Japanese I & II
Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Practice in conversation is provided through sessions with native speakers. The second course introduces hiragana and katakana syllabaries.

110: 4 credit hours
120: 3 credit hours

201-202. Intermediate Japanese I & II
A continuation of Japanese 110-120, with the introduction of 100 kanji (Chinese characters) in 201 and an additional 100 kanji in 202. Offered as demand warrants.
Prerequisite: Permission of the instructor.

3 credit hours for each course

Latin

Associate Professor Perez-Reilly

110. Elementary Latin I
An introduction to Latin, including the declensions, conjugations, use of pronouns, and noun-adjective agreement. Emphasis on a working vocabulary, an understanding of inflection, and basic techniques of translation. Offered 1991-92 and alternate years.

4 credit hours

120. Elementary Latin II
A sequel to Latin 110, designed to increase facility in reading and translating skills. Grammatical constructions dealing with the subjunctive, the use of

participles, deponent verbs, and compound sentences. Simple translations from original Latin sources. Offered in 1991-92 and alternate years.

3 credit hours

Management

Professor Kim, Associate Professors Brunger and Howard, Assistant Professors Berry, Kasper and Sullivan, Ms. Cuddy

The major in management focuses principally on the field of human resources management and is designed to provide a background in decision-making, the behavior of complex organizations and the economic, political, and social aspects of management.

The major is designed to be applicable to a variety of management settings including business, public administration, voluntary organizations, health services and the arts. The senior thesis requirement and the possibility of a field experience in management provide the opportunity for study in a specialized field.

THE MAJOR IN MANAGEMENT consists of a minimum of 45 hours in management and related fields. Required courses are Management 215, 221, 302, 305, 333, 351, 352, and 404, Computer Science 121, 123, or 217, Economics 201, Mathematics 125 or 221, Psychology 101, Sociology 101, and six hours chosen from Business 344, Management 232, 336, and 349, and Social Science 301.

The minor in management consists of a minimum of 18 hours. Required courses are Management 302, 305, and 333, Sociology 101, and Economics 201. One additional course must be chosen from Management 215, 221, 232, and Social Science 301.

215. Principles of Accounting
An introduction to income statement, balance sheets, changes in financial position, cash flow budgets, ratio analysis and other financial tools. Emphasis on reading and understanding rather than actual preparation.

3 credit hours

221. Social Psychology
The study of the interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership are among the topics studied.
Prerequisite: Psychology 101.

3 credit hours

232. Public Policy
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. Offered 1991-92 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

302. Principles of Management
Study of modern managerial principles and processes relating to business,

government, church, school, and other organizations. Emphasis on the basic management functions of planning, organizing, and controlling.
Prerequisite: Sophomore standing and one course in the social sciences.

3 credit hours

305. Organizational Behavior
Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations.
Prerequisite: Sociology 101 and Management 302.

3 credit hours

333. Human Resources Management
The acquisition, supervision, and management of human resources. Applied approaches to psychological and sociological dimensions of human behavior in the workplace. Offered 1990-91 and alternate years.
Prerequisite: Management 302.

3 credit hours

336. Operations Management
Analysis of concepts and techniques for decision-making in the operations function. Focus on identification and solution of problems in the production system. Topics covered include forecasting, production, planning, scheduling, quality control, and inventory control. Offered 1991-92 and alternate years.
Prerequisites: Management 302, Business/Management 215 and Math 120.

3 credit hours

343. Practicum in Management
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to management majors.

2 or 3 credit hours

349. Selected Topics in Management
Examination of topics in management. Topics vary depending on interests of faculty and students.
Prerequisite: Six credit hours in management or business.

3 credit hours

351-352. Senior Thesis
Individual study under the guidance of a faculty supervisor involving command of the forms and usages of the formal paper.

6 credit hours

404. Case Studies in Management
Encourages integration of knowledge through analysis of management problems in business, government, church, school, and other organizations. The case study method is used. Open only to management majors.
Prerequisite: Senior standing and permission of the instructor.

3 credit hours

Mathematics

Professors Dent and Nichols, Assistant Professor Pietenpol, Ms. Ribble, Mr. Vinson

THE MAJOR IN MATHEMATICS consists of 54 hours in mathematics and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 302, 312, 315, 321, 326, and 351-352. Related courses are Physics 201 and 202 and Computer Science 122 and 219. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German.

The minor in mathematics requires 125, 225, 232 and two other courses numbered above 225.

A second track in the major, **MATHEMATICS FOR TEACHER LICENSURE,** consists of 38 credits in mathematics: 125, 225, 232, 235, 301, 302, 312, 315, 321, 326, 351 and 352. Related courses are Physics 201 and 202 and Computer Science 219. Additional liberal studies requirements are Psychology 101 and Speech 201. Students pursuing this track must complete 27 credit hours of professional courses in teacher education. These courses are listed under education in this catalog.

105. Fundamentals of Algebra
Review of basic algebraic skills. Signed numbers, fractions, exponents, linear and quadratic equations. inequalities, absolute value, and scientific notation. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics placement examination. The course is listed on the student's official record, but the three credit hours earned by satisfactory completion do not count toward the minimum needed for graduation.

115. Precalculus Mathematics
Fundamentals of college algebra and trigonometry. Functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers.
Prerequisite: Satisfactory performance on the mathematics placement test or Mathematics 105.

4 credit hours

125. Calculus I
Limits, the derivative and its applications, and an introduction to the integral.
Prerequisite: Mathematics 115 or 116 or the equivalent.

4 credit hours

207. Structure of the Real Number System
A study of the structure of the real number system, algebra, and geometry. Material designed to meet the needs of students preparing to be elementary teachers.
Prerequisite: Mathematics 120.

3 credit hours

221. Inferential Statistics
An introduction to decision-making. Topics include sampling theory, estimation of parameters, hypothesis testing, analysis of variance, and both parametric and non-parametric tests.
Prerequisite: Mathematics 120.

3 credit hours

225. Calculus II
The definite integral and applications, analytic geometry, exponential and logarithmic functions, trigonometric functions, hyperbolic functions, and techniques of integration.
Prerequisite: Mathematics 125.

4 credit hours

232. Linear Algebra
Linear equations, vector spaces, linear transformations, determinants, matrices, and applications.
Prerequisite: Mathematics 125.

3 credit hours

235. Calculus III
Infinite series, three-dimensional space, vectors, partial differentiation, and multiple integration.
Prerequisite: Mathematics 225.

4 credit hours

236. Ordinary Differential Equations
Equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, and applications.
Prerequisite: Mathematics 225.

3 credit hours

301. Principles of Geometry
Topics from Euclidean and non-Euclidean geometry both from the synthetic and the analytical points of view. This course is designed specifically for secondary teachers of mathematics. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 232.

2 credit hours

302. Modern Algebra
Introduction to abstract algebra. Groups, rings, integral domains, and fields. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 232.

3 credit hours

312. Advanced Linear Algebra
A theoretical study of linear equations, linear spaces, linear mappings, matrices, determinants, and equivalence relations on matrices. Emphasis is placed on a canonical form for similarity of matrices. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 302.

3 credit hours

315. Advanced Calculus
Theory of limits, continuity, differentiation, integration, sequences, and series. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 235.

3 credit hours

321. Probability and Statistics
Probability, empirical distributions, discrete and continuous distributions, sampling distribution theory, confidence intervals, estimation theory and hypothesis testing. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 225.

3 credit hours

326. Numerical Analysis
An introduction to the techniques of obtaining numerical solutions on a computer. Topics covered will include roots of equations, numerical integration, least squares, simultaneous equations, and curve fitting. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 225 and Computer Science 219.

3 credit hours

351-352. Senior Thesis
Individual study with the guidance of a faculty supervisor involving command of the forms and usages of the formal paper.

6 credit hours

Medieval Studies

Assistant Professor Overstreet, Coordinator

A multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately 1500. A minimum of 15 hours is required, with courses chosen from Art 312, English 311 and 331, History 211 and 313, Music 301, Philosophy 201, and an appropriate section of Religion 346. The courses are described under the separate departmental listings.

Art 312: Ancient and Medieval Art
English 311: History of the English Language
English 331: Literature of the Middle English Period
History 211: History of England to 1600
History 313: Europe and the Middle Ages
Music 301: Music History and Styles: Antiquity through the 16th Century
Philosophy 201: Ancient Philosophy
Religion 346: Explorations in Christian Thought and Culture

Music

THE MAJOR IN MUSIC for those pursuing the Bachelor of Arts degree requires a minimum of 50 hours. Required courses are 101, 102, 201, 202, 211, 212, 301, 302, 303, 304, and 351-352. Twelve hours must also be earned in applied music and four hours in ensemble participation. Description of those courses, and information about applied music and ensembles, can be found in the catalog sesction on the Bachelor of Music degree.

The minor in music consists of 18 credit hours in courses and/or lessons, including 101, 102, and at least six hours at the 300 or 400 level.

Before acceptance into any of the programs in music, students must demonstrate basic proficiency in keyboard and theoretical skills. Those who lack this preparation must complete keyboard fundamentals.

Descriptions of courses, faculty listings, and information about applied music and ensemble can be found in the catalog section on the Bachelor of Music degree.

Music and Theatre

THE MAJOR IN MUSIC AND THEATRE requires 55 hours. Required courses are Music 101, 102, 121, 122, 211, 212, 303, 401, and 402, Speech-Theatre 203 or 311, 212, 312, and 313; Music and Theatre 351-352. Also required are four hours in dance or physical education activities courses chosen from 106, 117, 139, 154, 163, 166, and 168. Twelve hours must be earned in the study of applied voice and four hours in choral music.

Descriptions of music courses and information about applied music and ensembles can be found in the catalog section on the Bachelor of Music degree. Descriptions of other required courses can be found under the appropriate listings.

Music 101: Basic Structures of Music and Elementary Counterpoint
Music 102: Intermediate Part-writing
Music 121: Eurhythmics I
Music 122: Eurhythmics II
Music 211: Solfege and Dictation I
Music 212: Solfege and Dictation II
Music 303: Music History and Styles: 19th century
Music 401: Literature in Major Applied Field I
Music 402: Literature in Major Applied Field II
Speech-Theatre 203: Oral Interpretation of Literature
Speech-Theatre 212: Acting
Speech-Theatre 311: Directing
Speech-Theatre 312: History and Literature of Western Theatre I
Speech-Theatre 313: History and Literature of Western Theatre II
Music and Theatre 351-352: Senior Thesis

Philosophy

Professor Cartlidge, Assistant Professor Hewitt

Philosophy was the first academic discipline and the parent of all others taught in schools and colleges. As such, philosophy examines the basic assumptions upon which other disciplines function: e.g., How do we know anything? Why is there something instead of nothing?

The minor in philosophy consists of 15 credit hours. Two courses from Philosophy 201, 203 and 204 are required.

104. Introduction to Philosophy
An introduction to philosophical investigation and reflection, emphasizing the search for ways to understand humans in their world. Students are encouraged to develop their own analytical perspectives as they encounter such philosophical questions as language about God, the freedom and limitations of humans, the bases of knowledge and belief, and the nature of social and political responsibility. Offered in 1991-92 and alternate years.

3 credit hours

201. Ancient Philosophy
Examines the birth of self-critical reflection from the pre-Socratic philosophers through Plato, Aristotle, and Greco-Roman philosophy up through the philosophy of the high middle ages, e.g., Aquinas and Occam. Offered in 1990-91 and as demand warrants.

3 credit hours

203. Modern Philosophy
Discussion of the rise of the modern scientific world view, individualism, and subjectivism, with their revolutionary implications for contemporary interpretations of self, world, and responsible ethical, political, and cultural commitment. Offered as demand warrants.

3 credit hours

204. Contemporary Philosophy
Exploration of some of the major philosophical movements in the 20th Century, such as existentialism, pragmatism, phenomenology, logical positivism, linguistic analysis, and process philosophy. Offered as demand warrants.

3 credit hours

208. Special Topics in Philosophy
Philosophic examination of a topic or thinker of special interest to students and faculty. Students are invited to propose topics for the course. Course may be repeated for credit when topics vary. Offered as demand warrants.

3 credit hours

326. Philosophy of Religion
Religious symbols and systems studied from a philosophical perspective. Among questions the course considers are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether humans are naturally religious. Offered as demand warrants.
Prerequisite: Any philosophy course or junior standing.

3 credit hours

329. Modern Critiques of Religion
An exploration of religious beliefs, attitudes and practices from the standpoint of religion's critics, both those within and without religious traditions. Offered as demand warrants.
Prerequisite: Any philosophy course or junior standing.

3 credit hours

Physical Education and Recreation

Associate Professor Perry, Ms. Craig, Mr. Guillaume, Ms. Hatch, Mr. Moore, Mr. Pavao, Ms. Schram, Mr. Wilks and Ms. Wood

The Physical Education and Recreation Department offers two majors: one in Physical Education for students planning careers as teachers in the field and one in Recreation, which is broadly based but gives special attention to outdoor recreation.

THE MAJOR IN PHYSICAL EDUCATION consists of 36 credit hours and includes the following courses: PER 102, 221, 231, 331, 332, 334, 341, 345, 351, 352, 106, 117, 154, one of the following lifetime sports courses: PER 140, 142, or 164; one of the following team sports courses; PER 121 or 123; and Biology 218. Chemistry 117 and Biology 217 should be substituted for the general education courses Natural Science 150 and 250. American Red Cross certifications in Standard First Aid (approximately eight hours in length), Community CPR (approximately eight hours), and BLS for the Professional Rescuer (six to eight hours) are also required as part of the major.

Students pursuing teacher licensure at the secondary level must complete the additional liberal arts studies requirements of Psychology 101, Speech 201 and Computer Science 123 (taken for two credit hours), as well as 27 credit hours of professional courses in teacher education which consist of PER 236, Psychology 218 and 334, and Education 301, 321, 343 (two credits), 399 and 401.

Careful planning of one's course of study is necessary to insure that general, major, and professional teacher licensure requirements are met within the framework of four years. It is particularly important to complete Psychology 101 and Chemistry 117 in the freshman year. Students should meet with the adviser for teacher licensure in physical education as soon as possible. Admission to teacher education is not automatic and occurs only after certain qualifications are met, which include a minimum cumulative GPA of 2.5, a minimum score on certain standardized tests, and successfully passing two screening processes. Please refer to the section in the catalog on education for more information and course descriptions.

THE MAJOR IN RECREATION consists of a minimum of 43 credit hours and includes the following courses: PER 102, 205, 221, 331, 335, 342, 343 (for a minimum of three credits), 351, 352, 106, 117, 172, 174, one of the following lifetime sports courses: PER 140, 142 or 164; and one of the following team sports courses: PER 121 or 123. The related courses are Psychology 101 and 221, Management 302, and one course from the following: Art 103, 201, 202 or 203; Speech-Theatre 211 or 212; or Applied Music. American Red Cross certifications in Standard First Aid (approximately eight hours in length), Community CPR (approximately eight hours), and BLS for the Professional Rescuer (six to eight hours) are also required as part of the major in Recreation. Students are encouraged to take advantage of Mountain Challenge activities offered through the Life Enrichment Center to broaden their exposure to outdoor recreation and pursuits activities. Students majoring in recreation might consider completing coursework for a minor (i.e., management, psychology, sociology, or another area).

101. Human Health and Development
A course designed to deepen understanding of holistic health, physical, mental and emotional. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium.

3 credit hours

102. Historical, Philosophical, and Sociological Foundations of Physical Education, Recreation, and Sports
A study of the meaning of play, sport, fitness and leisure in the life and culture of man with emphasis on historical and philosophical foundations. Aims and objectives of various agencies and an overview of their programs are presented.

3 credit hours

205. Team Sports, Intramural Administration, Officiating Techniques
Rules, skill techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice. Offered in 1990-91 and alternate years.

3 credit hours

218. Program Design and Methods of Teaching
Principles of curriculum development in physical education are studied with attention to more recent and innovative practices. Techniques of organizing instruction and conveying information clearly are also stressed. Field experience included. Offered 1991- 92 and alternate years.

2 credit hours

221. Physical Education and Recreation for Special Populations
Designed to provide basic understanding of various handicapping conditions. The course centers on characteristics of these handicaps, possible psychological ramifications, and appropriate physical education or recreation for each condition. Field experience included.

3 credit hours

231. Motor Development and Motor Learning
The study of locomotor and non-locomotor developmental sequences and learning theories that may enhance or limit physical performance. Offered 1990-91 and alternate years.

2 credit hours

233. Athletic Coaching
Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience included. Offered 1990-91 and alternate years.

3 credit hours

236. Health Issues in Education
A course designed for teacher licensure students which develops an understanding of the basic concepts of physical, mental, and emotional health and safety. Includes development of abilities involved in decision-making and interpersonal skills which promote good health, recognizing and dealing with health problems, using health appraisals and recommending referrals, and using risk management and safety procedures. Offered in 1991-92 and alternate years.

2 credit hours

311. Athletic Training
An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included. Offered in 1990-91 and alternate years.
Prerequisite or Corequisite: Biology 217.

3 credit hours

312. Advanced Athletic Training
This course is designed for the student with plans to pursue a career in sports medicine. It will cover advanced techniques in first aid, therapeutic exercise and modalities, clinical evaluations, and ethical and legal responsibilities of an athletic trainer. Laboratory experience includes working with the intercollegiate men's and women's athletic teams and work in a local sports medicine facility. Offered in 1991-92 and alternate years.
Prerequisite: PER 311.

3 credit hours

331. Physical Education for Children
An examination of the cognitive, affective, and psychomotor goals of physical education. Designed to develop an understanding of activities appropriate for elementary school-age children, such as physical fitness, rhythmic movement, gymnastics, games, and sports. Includes study of instructional methods and development of the ability to implement instruction appropriate to developmental level.
Prerequisite: Junior standing.

2 credit hours

332. Kinesiology
The study of human movement from anatomical and mechanical perspectives. Knowledge and methods of mechanics are applied to the structure and function of the living human system with special emphasis on joint and muscle function. Major topics include mechanics of muscloskeletal structure, biomechanical aspects of exercise, forces and human movement, and balance, equilibrium, and stability. Offered 1990-91 and alternate years.
Prerequisite or corequisite: Biology 217.

3 credit hours

334. Administration and Supervision of Physical Education Programs
Study will focus on the role of management in physical education programs from kindergarten through the 12th grade. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

2 credit hours

335. Outdoor Recreation Leadership
The study of recreation leadership skills, activity, and safety specific to the out-of-doors. The historical background, legal issues, and environmental impact of outdoor recreational activities are considered; field experience is included. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

341. Measurement and Evaluation in Physical Education
Study directed toward the use of basic statistical procedures and their application to the evaluation of programs in physical education, test construction, and professional research. Offered 1990-91 and alternate years.
Prerequisite: Math 120.

3 credit hours

342. Program Planning in Recreation
A study of the process of recreation programming in relation to the characteristics and needs of participants, available facilities, values of activities offered, evaluation techniques uses. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

343. Practicum in Recreation
A field experience, with agencies involved in recreation and leisure programs, such as municipal recreation departments, YWCA-YMCA, summer camps, health spas, theme parks. If taken during the academic year, work may be spread over more than one term.
Prerequisite: Junior standing.

1, 2, or 3 credit hours
not to exceed 6

345. Physiology of Exercise
A study of the functions of the major body stystems during muscular work. Major topics covered included bioenergetics, structure and function of skeletal muscle, physiological aspects of fatigue, gaseous exchange and transport, hemodynamics, acid-base balance, and physical training. Laboratory investigations using various electrocardiographic and physiographic equipment. Offered 1991-92 and alternate years.
Prerequisite: Biology 217.

3 credit hours

351-352. Senior Thesis
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

6 credit hours

Activity Courses

The following courses are open as electives to all students, without regard to major field except for those courses designated as majors only or by permission of instructor. Each course carries a value of one credit hour and may be taken on an "S/U" basis. The Mountain Challenge course consists of five different Mountain Challenge experiences which may be completed in one semester or over a longer period of time. The program is supervised by the Mountain Challenge program director in the Life Enrichment Center. A maximum of three credit hours may be earned in Mountain Challenge.

Aquatics

106 Swimming Skills and Water Safety
114 Canoeing

Dance and Gymnastics

117 Folk, Square & Social Dance
154 Gymnastics and Tumbling

Mountain Challenge

125 Mountain Challenge
(ropes courses, rock climbing/rapelling, bicycle trips, map and compass, hiking, backpacking, canoeing/kayaking, caving, mountain rescue and first aid, outdoor and environmentally-related service projects)

Team Sports

121 Basketball/softball*
123 Volleyball/soccer*

Lifetime and Individual Sports

139 Aerobics
140 Aerobics/tennis*
141 Archery
142 Archery/golf*
147 Bowling
153 Golf
163 Raquetball
164 Racquetball/conditioning*
166 Tennis
168 Weight Training and Conditioning
172 Camping and Outdoor Education
174 Orienteering
191 Karate

*For majors only or by permission of the instructor

Physical Therapy

Students planning careers in physical therapy should major in Biology for the Health Professions and complete the professional courses in a BS/MS program following graduation. Major requirements and further information may be found under the biology listing.

Physics

Assistant Professors Greeney and Pietenpol

THE MAJOR IN PHYSICS FOR TEACHER LICENSURE consists of 38 hours in major and related fields and is designed to accommodate students planning careers as teachers of physics and general and physical science at the secondary level. Requirements include Physics 201, 202, 203, 351, 352 and 361; Mathematics 125 and 225; Chemistry 121; and Biology 115. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Speech 201 and Computer Science

123 (taken for two credit hours). Students pursuing this major must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in physics consists of a minimum of 35 hours. Required courses are Physics 201, 202, 203 and 301; Mathematics 125, 225, 235, 236; and Physics 361 or a suitable section of Chemistry 451.

101. Physics for the Life Sciences I
The 101-102 sequence is an algebra-based, non-calculus introduction to physics for students in the life sciences. Both class and lab activities emphasize a process of discovery through careful observation and experimentation. In both courses the scientific method guides the process of inquiry. Concepts and relationships in the areas of mechanics, fluids, heat, waves, and sound are investigated. Offered 1991-92 and alternate years.
Prerequisite: Mathematics 115 or equivalent.

4 credit hours

102. Physics for Life Sciences II
In the second semester of this sequence, the topics covered include electricity, magnetism, optics, relativity, and quantum physics. Offered 1991-92 and alternate years.
Prerequisite: Physics 101.

4 credit hours

201. Mechanics of Particles, Rigid Bodies, Fluids.
The 201, 202, 203 sequence is a calculus-based introduction to physics for physical scientists, mathematicians and engineers. The entire course emphasizes discovery of relationships through careful observation and experimentation guided by the scientific method of inquiry. Physical concepts such as velocity, acceleration, force, energy, momentum, torque, density, and pressure are investigated during the first semester.
Corequisite: Mathematics 225.

4 credit hours

202. Thermodynamics, Electricity and Magnetism
The concepts of temperature, heat and work for systems with large numbers of particles are studied. The behavior of static electric charges, electric current, and magnetic materials are investigated, and the concept of the electromagnetic field and the relationships between magnets and electric charges are explored.
Prerequisite: Physics 201.

4 credit hours

203. Waves, Optics, and Modern Physics
Topics included vibrations, mechanical waves, acoustics, electromagnetic waves, geometric and physical optics, relativity, quantum physics and nuclear physics.
Prerequisite: Physics 202.

4 credit hours

301. Intermediate Mechanics
The Newtonian dynamics of particles and rigid bodies, including linear and nonlinear oscillations are covered, as well as the Lagrangian and Hamiltonian formalisms.
Prerequisite: Physics 201 and Mathematics 236.

4 credit hours

351-352. Senior Thesis
Independent research in an area of special interest to the student. The project is carried out under the guidance of a faculty supervisor and involves the command and usages of the formal paper.

6 credit hours

361. Contemporary Physics
This course is designed to acquaint the student with contemporary ideas and current research areas in physics. Topics include relativity, quantum mechanics, atomic and nuclear, solid state, and elementary particle physics.
Prerequisite: Physics 203.

4 credit hours

Political Science

Professor Kim, Associate Professor Howard

Political science is concerned with the analysis of political processes and institutions. The major in political science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, journalism and business.

THE MAJOR IN POLITICAL SCIENCE requires 45 hours in the principal and related fields. Required courses are Political Science 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 351-352, Economics 201, Mathematics 221, Social Science 301, one course from Psychology 101, Sociology 101 and 211, and one course from either history or philosophy.

A second track in the major, **POLITICAL SCIENCE/HISTORY FOR TEACHER LICENSURE,** leads to licensure in political science with a secondary emphasis in history. The track requires 36 hours. Courses required in political science are 121, 122, 211, 212, 321, 322, 351 and 352; courses required in history are 111, 112, 221, and either 342 or 344. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

The minor in political science consists of 18 hours, including 121, 122, 211 or 212, 321 or 322, and six additional hours in political science.

121. Contemporary Political Issues
Attention to major political issues of the day. Emphasis on learning how to think about politics. Consideration given to the origins, consequences, and possible solutions of the problems under consideration.

3 credit hours

122. American Government and Politics
Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structure, and the behavioral bases of the American polity.

3 credit hours

211. Comparative Government and Politics
Study of political systems of selected countries. Illustration of major polity types, such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems. Offered 1990-91 and alternate years.
3 credit hours

212. International Politics
Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies. Offered 1991-92 and alternate years.
3 credit hours

232. Public Policy
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making. Offered 1991-92 and alternate years.
Prerequisite: Sophomore standing.
3 credit hours

306. Political Philosophy
Thematic and/or chronological consideration of perennial issues in political science, such as liberty, justice, political obligation, and political authority. Philosophical approaches to the understanding of politics are also examined. Offered 1990-91 and alternate years.
Prerequisite: Political Science 121 or 122 or permission of the instructor.
3 credit hours

311. Government and Politics of East Asia
Comparative study of political background and governmental systems of China, Japan, and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions. Offered 1991-92 and alternate years.
Prerequisite: Political Science 211, Asian Studies 320, or permission of the instructor.
3 credit hours

312. Comparative Foreign Policy
Comparative analysis of foreign policy processes and issues of selected nation-politics. Offered 1990-91 and alternate years.
Prerequisite: Political Science 212 or permission of the instructor.
3 credit hours

321. American Political Process
American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress, and the presidency. Offered 1990-91 and alternate years.
Prerequisite: Political Science 122 or permission of the instructor.
3 credit hours

322. The Judicial Process
Consideration of the role of the federal judiciary in the American political process. Approaches include case laws and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties. Offered 1991-92 and alternate years.
Prerequisite: Political Science 122 or permission of the instructor.
3 credit hours

349. Selected Topics in Political Science
Examination of topics in political science. Topics vary depending on interests of faculty and students. Offered as demand warrants.
Prerequisite: Six hours in political science or permission of the instructor.
3 credit hours

351-352. Senior Thesis
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.
6 credit hours

Psychology

Professor Waters, Assistant Professors Jacob and Schmied,
Mr. Guillaume

THE MAJOR IN PSYCHOLOGY provides the student with a broad curricular experience in psychology as preparation for graduate school. For students who do not plan to go beyond the B.A. degree, the psychology curriculum would be useful preparation for any career in which group or interpersonal contact is important.

The psychology major consists of 49 credit hours with 35 hours in major courses and 14 hours in related areas. Required are 101, 312, 313, 344, 351-352, and 15 additional hours. The 14 hours in related courses include Biology 115, Chemistry 117, Mathematics 221, and either Sociology 101 or 211. Students interested in graduate study in psychology are encouraged to take French, German, or Spanish.

Students who choose for elective credit the practicum Psychology 343 must complete the prerequisites (Psychology 101, 211, and 331) during the sophomore and junior years. They may begin the practicum in the junior year. Each practicum may involve 3.5 to 10.5 hours experience per week with commensurate academic credit of one, two or three hours; however, total credit for all practicum experiences cannot exceed six hours.

A minor in psychology consists of 101, 313, and three other psychology courses which count toward the major and Mathematics 221.

A second track in the major, **PSYCHOLOGY FOR TEACHER LICENSURE,** consists of 26 credits in Psychology: Psychology 211, 221, 312, 313, 331, 344, 351-352. Related courses are Biology 115, Mathematics 221, Political Science 121 and History 111. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog. Students completing this track may apply for licensure to teach Psychology in grades 9-12 and general social studies in grades 7 and 8.

THE CHILD DEVELOPMENT AND LEARNING MAJOR consists of 22 hours in psychology and 16/17 hours in related courses. The major is designed to accommodate students seeking licensure as an

elementary school teacher for K-8 with a K-4 emphasis as well as students desiring a degree in child development and learning without a teaching license. Required are Psychology 211, 218, 306, 314, 334, and 351-352. Additional liberal studies requirements are Speech 201, Computer Science 123, Psychology 101, a physical science for Science 150, and either Natural History 201 or Biology 115 instead of Science 250. Related courses are Biology 216, PER 236 and 331, and Sociology 215. The standard First Aid, community CPR, and BLS for the Professional Rescuer certifications as offered by the American Red Cross are required for graduation in this major. History 111 or 112 and Mathematics 207 are required for those seeking licensure as an elementary school teacher. Mathematics 221 and Psychology 312 are required for others in the major. Students seeking elementary teaching licensure must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

101. Introductory Psychology
Fundamental principles of human behavior. Attention to the aims, methods, and ethics of psychology and other topics including maturation and life span development, motivation, emotion, learning and cognition, perception, personality, and behavior disorders. Relating psychological principles to individual and social experience as well as other disciplines is a basic objective of this course.

3 credit hours

211. Child Development
Growth and development of the child from birth to maturity. Physical, intellectual, moral, social, and emotional aspects of growth are considered as they relate to various stages of development.
Prerequisite: Psychology 101.

3 credit hours

218. Psychological Foundations of Education
The study of how schools were developed and organized to meet the needs of children. Emphasis is on adolescent development during the middle school years. Educational tests and measurements, both formal and informal, and their interpretation are considered.
Prerequisite: Psychology 101.

3 credit hours

221. Social Psychology
The study of interactions of individuals in social situations. Attitudes, values, beliefs, perceptions, conformity, power, and leadership along with the application of social theory and knowledge to everyday problems are among the topics studied.
Prerequisite: Psychology 101.

3 credit hours

301. Theories of Personality
An examination of the major theoretical approaches to personality. The course seeks to provide an understanding of the role of personality theory and research in the field of psychology. Offered 1990-91 and alternate years.
Prerequisite: Psychology 101.

3 credit hours

306. Language Development
The acquisition and development of receptive and expressive language. Current theories are explored and consideration is given to the importance of language to instruction in reading and writing. Field experience is included.
Prerequisites: Psychology 101 and 211.

3 credit hours

307. Psychological Aspects of Deafness
A study of the psychological effects of deafness including the emotional development of the hearing-impaired child. The acquisition and use of language is emphasized in the course. Not to be counted toward a major in psychology.

3 credit hours

312. Experimental Psychology
Methodological approach with a procedural orientation to psychological investigation. Although the course concentrates on methodology, attention is directed to such content areas as the history of psychology, ethics in research, application of psychological principles, structure and function of the nervous system, sensation, perception and emotion. Laboratory practice.
Prerequisites: Psychology 101 and Mathematics 221.

4 credit hours

313. Human Learning and Cognition
Individual differences in cognition are examined within the context of theories of learning. Special emphasis is given to appropriate expectations and experiences for children at various stages of cognitive development. Laboratory and field experience.
Prerequisites: Psychology 101, 211 and Mathematics 120.

4 credit hours

331. Abnormal Psychology
A psychological approach to the causes, symptoms, treatment, and prevention of behavioral disorders.
Prerequisite: Psychology 101.

3 credit hours

333. Counseling
Study of counseling techniques in such settings as school, industry, and the clinic. Special emphasis on self-management procedures and interviewing. Offered 1991-92 and alternate years.
Prerequisite: Psychology 101.

3 credit hours

334. Culturally Diverse and Exceptional Children
The nature and causes of diversity which are related to culture and different types of exceptionality are examined. Opportunities are provided to practice identification, intervention strategies, and curriculum modification/development. Field experience with culturally diverse and exceptional children is included.
Prerequisite: Psychology 101, 211 or 218.

3 credit hours

343. Practicum in Psychological Services
Supervised practical experience during the junior or senior year with an agency or organization offering psychological services. Credit for practical experience of 1, 2 or 3 hours depends on time of practical experience per week of 3.5, 7, or

10.5 hours. Not to be counted toward a major in psychology.
Prerequisites: Psychology 101, 211 and 331 or permission of instructor.
1, 2, or 3 credit hours, not to exceed 6

344. Psychophysiology
Study of the anatomical and physiological structures which relate to psychological experience and behavior. Neurophysiology, particularly in regard to the chemistry of synaptic transmission, is emphasized.
Prerequisite: Biology 115 or Chemistry 117.
3 credit hours

349. Seminar
Selected topic in psychology course content varies from year to year. Previous topics include History and Systems of Psychology, Aging and Dying, and Adolescent Development.
Prerequisite: Junior or senior standing.
3 credit hours

351-352. Senior Thesis
Individual study with the guidance of a faculty supervisor involving the laboratory or a field research problem and a scientific paper reporting the results.
6 credit hours

Recreation

THE MAJOR IN RECREATION consists of 43 hours in Physical Education and Recreation and related fields. Major requirements and course descriptions can be found under the listings for physical education and recreation.

Religion

Professor Cartlidge, Assistant Professor Hewitt, Dr. Cowan

The academic study of religion considers questions which are fundamental, namely questions of the nature and destiny of human existence. Religious response to the experiences of life takes many forms, and religious studies includes examinations of literature and other arts, social institutions, and historical settings as well as cross-cultural comparisons.

THE MAJOR IN RELIGION consists of 33 hours in religion and related areas. Twenty-seven hours must be in Religion of which only three hours may be a 100-level course; nine hours must be 300-level religion courses. Required related courses are two courses from among Philosophy 104, 326 and 329. It is strongly recommended that majors in religion take either Greek or Latin 110-120 or two years in a modern language.

The minor in religion consists of 15 hours in religion, including not more than one 100-level course and no fewer than two 300-level courses.

111. The American Religious Experience
An introduction to religious studies which employs the American religious experience as its model. Offered in 1991-92 and alternate years.

3 credit hours

128. Introduction to Christian Theology
An examination of reflective thinking on basic Christian beliefs and practices. No experience in theology is required. Offered in 1990-91 and alternate years.

3 credit hours

212. World Religions
Religion as a universal human phenomenon. Each offering of the course will examine several religious traditions such as Islam, Judaism, Hinduism, Taoism, Buddhism and Christianity, as well as primitive religion. Offered 1991-92 and alternate years.

3 credit hours

230. The Old Testament World and Culture
The religion of ancient Israel as it developed in concert and in rivalry with its Ancient Near Eastern neighbors.

3 credit hours

240. The New Testament World and Culture
The development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.

3 credit hours

244. Religion and Peace
A study of peace in religious traditions. The course may center on the nature of peace in a particular religious tradition, e.g., Judaism, Islam, Buddhism, Christianity. It may examine peace in a comparative religion study, or it may examine peace in a religious approach to peace and peacemaking. Offered as demand warrants.

3 credit hours

325. Sociology of Religion
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. Offered 1991-92 and alternate years.
Prerequisite: Sociology 101 or Social Science 220.

3 credit hours

326. Contemporary Theology
An examination of 20th century Christian thought, with special emphasis on current issues, approaches and major thinkers. Attention is given to the social, political, and historical context of contemporary theology. Offered 1991-91 and alternate years.
Prerequisite: Any religion course or junior standing.

3 credit hours

346. Explorations in Christian Thought and Culture
Topics will vary. An examination of Christian theology and its relationship to culture through art, the work of significant theologians, an historical period, or a theological theme. Offered as demand warrants.

Prerequisite: Any religion course or junior standing.

3 credit hours

348. Explorations in the History of Religions
Topics will vary. Studies one or more of the world's religious traditions or a comparative study of a theme or themes in more than one tradition. Offered as demand warrants.
Prerequisite: Any religion course or junior standing.

3 credit hours

349. Seminar in Religious Studies
The topics of this course center on cross-disciplinary studies, e.g., Religious Themes in the Modern Novel, Religious Revolt and Political Oppression, The Politics of Violence and Alternatives in Religous Traditions, and Poetic and Narrative Criticism of the Biblical Literature. Topics may be chosen in response to student request. May be repeated for credit. Offered as demand warrants.
Prerequisite: Any religion course or junior standing.

3 credit hours

351-352. Senior Thesis
Commonly a research project resulting in a thesis or substantial essay, but other types of work, such as the writing and performance of religious music or the writing and production of religious drama, are also acceptable.

6 credit hours

Sign Language Interpreting

Professor Waters, Ms. Sandefur-Yates, Ms. Maher

THE MAJOR IN SIGN LANGUAGE INTERPRETING prepares students to work as professional interpreters with hearing-impaired persons in a variety of situations. While American Sign Language serves as a foundation, all other modes of communication used by the deaf community are introduced as well. Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with hearing-impaired persons and regular practice using videotaping equipment are principal means for the development of skills.

The required curriculum involves a total of 48 hours with 39 hours beyond the first year ASL 101 and 102 courses in the major and nine hours in related courses. Major courses which are required are 203, 215, 301, 302, 303, 306, 311, 321, 337, and 351-52. Required related courses are Psychology 101 and 307 and Social Science 301. Psychology 331 and Sociology 211 or 215 are strongly recommended. A supervised internship in an approved off-campus agency is an essential part of the major program.

THE MAJOR IN AMERICAN SIGN LANGUAGE is intended for those desiring communication skills for use in counseling, social work, teaching, or other service fields. This major requires 37 hours with 21 hours beyond ASL 101 and 102 and 16 hours for related courses. The major courses are 203, 215, 301, 306, 343, 351 and 352, while the related

courses are Psychology 101 and 307, Social Science 301, and courses 110 and 120 of an additional language. Psychology 331 and Sociology 211 or 215 are strongly recommended.

The minor in American Sign Language requires 17 hours consisting of courses 101, 102, 203, 306, and Psychology 307.

101. American Sign Language I
An introduction to American Sign Language using concepts related to people, places and things within the immediate environment. Emphasis is placed on appropriate language and cultural behaviors in various situations and students learn grammar in the context of communicative activities. Laboratory classes are used to expand expressive and receptive skills.

4 credit hours

102. American Sign Language II
A sequel to ASL 101, designed to encourage students to talk about people in a more abstract way and learn to narrate events that occurred in the past. Students learn appropriate cultural behaviors for directing and maintaining attention as well as strategies for controlling the pace of conversation and resuming conversations after an interruption. Laboratory classes are used to expand expressive and receptive skills.
Prerequisite: ASL 101 or permission of the instructor.

4 credit hours

203. American Sign Language III
Development of conversational fluency with attention to more advanced grammatical constructions and idioms. Required for all students planning to major in Sign Language Interpreting. Laboratory classes are used to expand expressive and receptive skills.
Prerequisite: ASL 101-102 or permission of the instructor.

3 credit hours

215. Translation and Interpreting Readiness
This course provides necessary transition from sign communication to interpretation between ASL and English. Course content includes written, spoken, and signed translation exercises. Outside study consists of individual and group assignments, fingerspelling and numbers practice, and English vocabulary development.
Prerequisite: ASL 203 or permission of the instructor.

3 credit hours

301. Introduction to Interpreting
A survey of the major areas of the interpreting profession, the code of ethics, and interpreting techniques. Introduction to the interpretive process from spoken English to American Sign Language and sign to voice (interpreting from American Sign Language to English).
Prerequisite: American Sign Language 203 or permission of the instructor.

3 credit hours

302-303. Applied Interpreting I and II
The first course emphasizes developing skills with prepared interpreting and transliterating using audio and video media. The second course progresses to spontaneous interpreting and transliterating skill development. Expressive and receptive skills are developed in both courses. Study for the courses consists of group and pair skills practice as well as interpreting practice.

Prerequisite: Interpreting 215.

Each course 3 credit hours

306. Introduction to Audiology
Attention to the anatomical features of the ear and the physiology of hearing. Special attention is given to various types of auditory pathology, etiologies, and habilitation. Audiometric testing procedures are reviewed, with students obtaining a practical experience in auditory evaluation.

3 credit hours

311. Educational Interpreting
This course introduces sign systems, surveys the educational setting, outlines the history of the field, the impact of legislation, and as available provides educational interpreting observation and practice.
Prerequisite or corequisite: Interpreting 301 or with permission of the instructor.

3 credit hour

321. Comparative Interpreting
Specialized areas of interpreting covered include legal, medical/mental health, deaf-blind, oral and educational. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials and visits to off-campus sites. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

337. Internship
A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf or other appropriate professional.
Prerequisite: Interpreting 303.

9 credit hours

343. Practicum
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. Available only to majors in American Sign Language.

3 credit hours

349. Seminar
Selected topics in deafness/interpreting. Offered as demand warrants.

3 credit hours

351-352. Senior Thesis
Individual study, with the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

6 credit hours

Social Sciences: Interdisciplinary Courses

301. Social Sciences Research Methods
The philosophy and methodology of the social sciences. Emphasis is on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation, and interpretation of data. Individual students research projects related to various social science disciplines. Offered 1990-91 and

alternate years.
Prerequisite: Mathematics 120 and junior standing.

3 credit hours

303. Cultural Geography
A study of the relationship between culture and the physical environment. Cultural attitudes toward nature, the transformation of natural into cultural landscapes, invention and the diffusion of culture, demography and settlement patterns, modernization and development, culture areas. Offered 1990-91 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

Sociology

Professor Boldon, Assistant Professor Ambler

Sociology deals with social relationships, the structure of society, and the variety of human cultures. The minor in sociology provides a useful supplement to majors in a variety of academic fields.

The minor in sociology consists of a minimum of 15 credit hours, including 12 hours above the 100 level. The minor must include Sociology 101 or 211 or both; additional hours may be drawn from 102, 215, 305, 325, 349, Psychology 221 and Social Science 301.

101. Introductory Sociology
Study of the fundamental structure and dynamics of human societies and the basic principles and concepts used in sociology.

3 credit hours

102. Social Problems
Analysis of several social problems in the United States and other societies. Emphasis on population, inequality, intergroup conflict , deviance. Other topics approached through individual student research. Offered 1991-92 and alternate years.

3 credit hours

211. Cultural Anthropology
An application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies.

3 credit hours

215. Sociology of Marriage and Family
A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures. Offered 1990-91 and alternate years.

3 credit hours

222. Sociology of Appalachian Culture
The character and development of southern Appalachian culture, its transmission through arts and crafts, music and dance, language, education, and social institutions. Cultural adaptation and change. Experiential learning emphasis

with required fieldwork. Offered 1991-92 and alternate years.

3 credit hours

305. Organizational Behavior
Analysis of complex organizations and bureaucracy. The goals, design, internal structure, and environmental relations of organizations. The problems of groups and individuals who are increasingly embedded in and shaped by impersonal, large-scale organizations.
Prerequisites: Sociology 101 and Management 302.

3 credit hours

325. Sociology of Religion
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons. Offered 1991-92 and alternate years.
Prerequisite: Sociology 101 or Social Science 220.

3 credit hours

349. Selected Topics in Sociology and Anthropology
Selected topics in sociology or anthropology. Topics vary depending on interests of faculty and students. May be repeated for credit. Offered as demand warrants.
Prerequisite: At least one course in sociology.

3 credit hours

Spanish

Associate Professor Perez-Reilly, Ms. Collman

THE MAJOR IN SPANISH consists of 42 hours beyond first year Spanish (110-120). Required courses include 201, 202, 225, 349 and 351-352 to be taken at Maryville College. An additional 24 hours must be completed during a junior year abroad in conjunction with Alma College's program at the Iberoeramerican University in Mexico City or with the program of Central College of Iowa at the University of Granada, Spain. The courses taken during the junior year abroad consist of three hours in culture and civilization and nine hours in grammar, composition, phonology and corrective diction and 12 hours in literature.

A minor in Spanish consists of at least 15 credit hours in Spanish, including 12 hours in courses above the 100-level. Only courses in which a grade of "C" or better is earned are counted toward minor requirements.

A second track in the major, **SPANISH FOR TEACHER LICENSURE,** consists of 39 credits in Spanish beyond the first year (110-120). Required courses include 201, 202, 225, 351 and 352 to be taken at Maryville College. An additional 24 hours must be completed during a junior year abroad in conjunction with Alma College's program

at the Iberoamerican University in Mexico City or with the program of Central College of Iowa at the University of Granada, Spain. The courses taken during the junior year abroad consist of three hours in culture and civilization and nine hours in grammar, composition, phonology and corrective diction and 12 hours in literature. Additional liberal studies requirements are Psychology 101, Speech 201, and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

In addition to completing the necessary coursework, all students pursuing a major or minor in Spanish will be given a diagnostic test upon completion of Spanish 202, in order to identify any major problems related in Spanish grammar before proceeding to third year courses.

Any needed remediation will be arranged with the assistance of Foreign Language faculty. Students majoring in Spanish for Teacher Licensure are also required to take the ACTFL proficiency test in Spanish during the first semester of the senior year and must score at the advanced level for teacher certification in the state of Tennessee. Arrangements for the test should be made through the Department of Languages and Literature. Spanish majors or minors who are not enrolled in the program for teacher licensure may opt to take the ACTFL tests. A good score on the test may be useful in seeking employment or admission to graduate school.

110. Elementary Spanish I
An introduction to Spanish emphasizing use of the spoken language. Attention is given to pronunciation and speech patterns, the development of a working vocabulary, and the framing of simple sentences. Students are introduced to the concept of cultural diversity and are encouraged to develop an awareness and appreciation of other cultures. Class meetings are supplemented by drill sessions in which students practice the grammatical concepts introduced in the master class.

4 credit hours

120. Elementary Spanish II
A sequel to Spanish 110, designed to increase facility in speaking, improve aural comprehension, and expand vocabulary. Correct usage and confidence-building are stressed in class and drill sessions. Diversity in communication styles within the Spanish-speaking world is introduced.
Prerequisite: Placement into the course or Spanish 110.

3 credit hours

201-202. Intermediate Spanish I and II
An introduction to Hispanic literature through the reading of selected works from various genres, with attention to the reinforcement of basic skills and expansion of vocabulary. The class is conducted entirely in Spanish, including discussion of the content and style of the works being studied. The course provides a review of basic Spanish grammar, concentrating on more advanced grammatical structures. The student is further acquainted with Hispanic culture through the literature of Spanish-speaking countries.
Prerequisite: Placement into the course or Spanish 120.

3 credit hours each course

225. Intermediate Conversation and Grammar
A review of Spanish grammar,with attention to more advanced grammatical constructions and idioms. Designed to further develop basic conversational skills acquired during the first year. Required for all students planning to study in Spain or Mexico during the junior year.
Prerequisite: Spanish 110-120.

3 credit hours

301. Spanish Peninsular Literature
A study of major authors and literary currents of Spain since the Middle Ages, but with emphasis on the 20th century. Attention will be given to such authors as Baroja, Jimenez, Lorca, Cela, Buero Vallejo, and Matute. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

302. Spanish American Literature
An examination of major authors and literary currents of Spanish America since colonial times,with emphasis on such 20th century authors as Quiroga, Barrios, Gallegos, Mistral, Borges, Neruda, and Garcia Marquez. Offered as demand warrants.
Prerequisite: Spanish 202 or equivalent.

3 credit hours

311. Spanish for Future Careers
A course designed for students who expect to use Spanish in their careers. It includes the study of customs and social patterns as well as the writing of letters and the building of specialized vocabularies. The needs and interests of individual students largely determine the areas of emphasis. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

349. Selected Topics in Spanish
Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics, which vary fromyear to year according to the interests of the students, will include, among others, the Spanish short story, the history of Spain, the picaresque novel, and Spain in America. Offered as demand warrants.
Prerequisite: Spanish 202 or the equivalent.

3 credit hours

351-352. Senior Thesis
Individual study under the guidance of a faculty supervisor, involving command of the forms and usages of the formal paper.

6 credit hours

Speech-Theatre

Mr. Reihl

THE MAJOR IN SPEECH-THEATRE consists of 37 hours in literature and speech-theatre, including English 162, 270, 311, 332, 351-352, Speech-Theatre 312-313, six hours of production credit, and one of the following: Speech-Theatre 211, 212 or 311. Related required courses are three to be chosen from History 111, 112, 211, 212.

The minor in Speech-Theatre requires the completion of 15 hours, including Theatre 312 and 313, English 332 and four hours of production credit, with the remainder of the courses to be chosen from the courses in theatre listed below. The theatre minor is not open to those with individualized majors that include Theatre.

201. Introduction to Communication Skills
This course is designed to develop effective communication skills for small group settings and for extemporaneous public speaking situations. The student is expected to master the basic skills of research (including interviews), organization, rehearsal and delivery as they pertain to oral communication. Consideration is given to non-verbal cues that affect listening and speaking.
Prerequisite: English 130.

2 credit hours

202. Advanced Public Speaking and Debate
The course concentrates onthe enhancement of speaking ability and the development of personal style. The principles of debate are also considered, and practical experience is acquired, using the national topic for intercollegiate debate. Offered as demand warrants.
Prerequisite: Speech 201 or permission of the instructor.

3 credit hours

203. Oral Interpretation of Literature
Practice in selecting and adapting written material for oral presentation. Students prepare readings which they present for evaluation as well as scripts for Readers' Theatre and Chamber Theatre presentation. Offered 1991-92 and alternate years.
Prerequisite: Sophomore standing.

3 credit hours

211. Stagecraft
An introduction to six elements of stagecraft: (a) set design and construction, (b) lighting design and construction, (c) costume design and construction, (d) make-up, (e) theatre management, (f) stage management. Students choose two of the elements for special concentration during the term.

3 credit hours

212. Acting
A study of acting methods and terminology. Students complete assigned readings, perform dramatic scenes for evaluation, and participate in an end-of-term public performance.

3 credit hours

311. Directing
A study of the methodology and terminology of stage directing, with practical experience in planning and executing a stage production.

3 credit hours

312. History and Literature of Western Theatre I
A combination lecture, reading and discussion course which traces the evolution of Western theatre from Dionysian ritual in ancient Athens to 17th century France. Theatre architecture and organization, works of dramatic literature, and theoretical treatises on performance will be studied in relation to the social and intellectual history of each major era. Specific attention will be paid to fifth century Athens, ancient Rome, Elizabethan England, the Italian Renaissance,

and French Neoclassicism. Offered as demand warrants.
Corequisite: English 270.

3 credit hours

313. History and Literature of Western Theatre II
A continuation of Speech-Theatre 312. Specific attention will be paid to the English Restoration, German Romanticism, the emergence of the middle-class theatre, realism, the 20th century avant-garde, period. Offered as demand warrants.
Corequisite: English 270.

3 credit hours

349. Selected Topics in Theatre
An advanced course designed as a second level of study in acting, directing, or stagecraft. Offered as demand warrants.
Prerequisite: Permission of the instructor.

3 credit hours

351-352. Senior Thesis
Individual study, with the guidance of a faculty supervisor, on a topic that will provide experience in intensive research andthe preparation of a formal paper. The study is usually begun in the last term of the junior year and completed in the first term of the senior year.
Prerequisite: Completion of a minimum of four courses in the major.

6 credit hours

Production Credit
Course credit of one to two hours per play is available to students who participate as actors or technicians in faculty-directed main stage productions. Credit allotments are set by the faculty director. No more than eight credit hours may be earned.

Sports Management

No major is offered in sports management. Students interested in this field should major in physical education, recreation or management and take coursework or a minor in another of the three fields. Masters level study is recommended for careers in sports management.

Writing/Communication

THE MAJOR IN WRITING/COMMUNICATION requires a minimum of 40 hours in English above the 130-level and six hours in related courses. All majors must take English 162, 216, 219, 311, 337 or 343, and 351-52. Nine additional hours in literature must be chosen from English 221, 222, 332, 334, 335 and 336. Twelve hours in writing must be chosen from English 215 (a maximum of six hours), 217 and 325. All writing majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The minor in writing/communication requires 15 hours in writing above the 130-level, including English 216 and 219. The remaining hours may be chosen from English 215, 217 and 325.

Courses listings for Writing/Communication are listed under English in this catalog.

The Bachelor of Music Degree

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements and the extent of specialization. As a professional degree, it affords more extensive study in the major field. The College offers major programs in performance, church music, and music education.

General Education Requirement

The general education requirement consists of 40 credit hours. Students must satisfy requirements in the following areas, either by passing the courses or demonstrating proficiency.

English 130
Inquiry 110/Orientation 110
Foreign Language 110 and 120
Natural Science 150
Mathematics 120
History 180 or 190
Religion 230 or 240
English 270
Social Science 220
African Studies 310 or Asian Studies 320
Humanities 390

Course descriptions are to be found in the Bachelor of Arts section of this catalog.

The Major Programs

Three major programs are offered. All of the programs include preparation in theory, solfege and dictation, and eurhythmics, and all require knowledge of music history and styles. Private applied lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

Before acceptance into the upper levels of any of the programs in music, students must demonstrate proficiency in basic keyboard skills. Those who lack this preparation upon entering must complete keyboard fundamentals.

Church Music

THE MAJOR IN CHURCH MUSIC consists of 80 credit hours, including 48 hours in music courses, 21 hours in applied music, eight hours in ensemble participation, and three hours in related fields. Courses in music are 101, 102, 121-122, 201, 202, 211, 212, 221, 222, 301-304, 305, 321, 343, and 351-352.

The 21 credit hours in applied music are earned in organ and voice with 18 hours in one instrument and three hours in the other. At least

four of the eight hours in ensemble participation must be earned in choir. A half recital is required. Religion 348 is a required related course.

Music Education

THE MAJOR IN MUSIC EDUCATION FOR TEACHER LICENSURE IN VOCAL/GENERAL MUSIC consists of 62 credits in music including Music 101-102, 121-122, 201-202, 211-212, 221-222, 301-304, 321, 351-52, 12 hours of applied music (voice or voice and piano) and eight hours of ensemble (at least six in choir). Proficiency in Keyboard Fundamentals must be passed. Additional liberal studies requirements are Psychology 101, Speech 201, Science 250, and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

THE MAJOR IN MUSIC EDUCATION FOR TEACHER LICENSURE IN INSTRUMENTAL MUSIC consists of 63 credits in music including Music 101-102, 121-122, 201-202, 211-212, 221-222, 301-304, 321, 351-52, nine hours of applied music (major instrument), Introduction to Orchestral Instruments 324 (four hours), and eight hours of ensemble (at least six in instrumental ensembles). Proficiency in Keyboard Fundamentals must be passed. Additional liberal studies requirements are Psychology 101, Speech 201, Science 250, and Computer Science 123 (taken for two credit hours). Students pursuing this track must complete 27 credit hours of professional courses in teacher education. The professional courses are listed under education in this catalog.

Performance

THE MAJOR IN PERFORMANCE consists of a total of 81 credit hours with at least eight hours in ensemble participation. Required courses are 101, 102, 121, 122, 201, 202, 211, 212, 221, 222, 301-304, 308, 351-352, and 401-402. Twenty-four credits in applied music are also required, including a half recital in the junior year and a full recital in the senior year. The remaining six hours in music may be earned in courses, lessons, ensemble participation, or a combination of these.

Keyboard Fundamentals
Instruction in basic musicianship and keyboard technique, including principles of transposition and improvisation, to enable students to develop the skills necessary to pass the piano proficiency examination. A development course which can be taken for credit or non-credit. Credits earned in this course may not be applied to a music major.

101. Basic Structures of Music and Elementary Counterpoint
The aural and visual comprehension of musical elements and their application.

Fundamentals, basic melody, decorative pitches, developmental processes in melody writing, voices in combination, and chord structure. Open to non-music majors.

3 credit hours

102. Intermediate Part-Writing
Four-voice homophonic texture, functional chords and dominant seventh, inversions, two- and three-part form, secondary dominants, and modulation.
Prerequisite: Music 101.

3 credit hours

111. Introduction to Electronic Music
An introduction to the world of electronic music which is a part of many contemporary musical idioms. The course includes opportunities for the creation of music on synthesizers in combination with computers. Two class meetings and one required hour in the electronic music laboratory each week. Offered as demand warrants.

2 credit hours

121. Eurhythmics I
The experience and study of musical concepts and materials by means of body movement, based on the premise that music is an art that utilizes time, space, and energy in its production. Subjects will include beat, meter, tempo, rhythmic patterns, body technique, augmentation-diminution, complementary rhythms, syncopation, coordination, quick reaction, and memory.

1 credit hour

122. Eurhythmics II
Continuation of Eurhythmics I. Subjects will include dynamics and dynamic accent, the phrase, polyrhythms, uneven beats, two- and three-voiced canon, improvisation, and polymetrics.
Prerequisite: Music 121.

1 credit hour

201. Advanced Counterpoint
Study of nondominant sevenths, embellishing diminished chords, Neapolitan and augmented sixth chords, invention, and fugue.
Prerequisite: Music 102.

3 credit hours

202. Advanced Harmony
Consideration of chorale prelude, variation, and sonata-allegro forms; ninth, eleventh, and thirteenth chords; foreign modulation; 20th-century melody, harmony, and tonality; atonality and serialism.
Prerequisite: Music 201

3 credit hours

211. Solfege and Dictation I
Practice of rhythmic exercises sung to the syllables of solmization (fixed do) which trains the student in the inner hearing of musical notation and sight singing. Subjects will include singing and recognition of all major, minor and perfect intervals; rhythmic exercises in simple time; dictation of one-voiced melodic line; development of reliable relative pitch.

2 credit hours

212. Solfege and Dictation II
Continuation of Music 211. Rhythmic exercises in compound time, singing and recognition of major and minor triads and their inversions, 7th chords and inversions, two-voiced dictation, and sight-singing from traditional and contemporary literature.
Prerequisite: Music 211.

2 credit hours

221. Orchestration and Conducting I
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments from 1700 to the present with practice of basic conducting patterns and rehearsal techniques. Transcribing simple piano music for small ensemble with practicum in rehearsing/conducting those transcribed works.
Prerequisite: Music 102.

2 credit hours

222. Orchestration and Conducting II
Examination of scoring for combined sections, less frequently used instruments, and the human voice as an orchestra timbre. Advanced score reading and conducting techniques, with transcription and conducting practice of hymns and additional keyboard works.
Prerequisite: Music 221.

2 credit hours

301. Music History and Styles: Antiquity through the 16th Century
A study of the origins of music, its direction of development in Eastern and Western Asia and Africa, and its historical development in Europe to the 16th century. Emphasis is placed on the study of musical trends and styles through listening as well as analysis.The relationship of music to society and its education is considered. Bibliography and independent research are included. Offered 1991-92 and alternate years.

3 credit hours

302. Music History and Styles: 17th and 18th Centuries
A study of Western music from Monteverdi to Haydn and Mozart. Emphasis is placed on listening and analysis of scores of the leading composers of these centuries. The relationship of music to society and its education is considered. Bibliography and independent research are included. Offered 1990-91 and alternate years.
Prerequisite: Music 102.

3 credit hours

303. Music History and Styles: 19th Century
A study of Western music from Beethoven to Mahler and Richard Strauss. Emphasis is placed on listening and analysis of scores of the leading composers. The relationship of music to society and its education is considered. Bibliography and independent research are included. Offered 1991-92 and alternate years.
Prerequisite: Music 201.

3 credit hours

304. Music History and Styles: 20th Century
A survey of trends and innovations in Western music from Debussy to the present. Composers are studied through biographical sketches, compositional listings, and analyses of representative works. Specific styles include impres-

sionistic, atonal, serial, neo-classic, jazz/pop, electronic, minimalistic, and eclectic; also study of bibliographies, preparation of research journals, and presentation of oral and written reports. Offered 1990-91 and alternate years.
Prerequisite: Junior standing.

3 credit hours

305. Music in the Church
A study of the music of the church with attention to the traditions within which the music was composed as well as the contemporary use of music in worship. Offered 1991-92 and alternate years.
Prerequisite: Junior standing.

3 credit hours

308. Pedagogy in the Applied Field
A study of various teaching techniques and a practical introduction to materials and procedures. Emphasis on observation, with opportunity for practical application. Offered as demand warrants.

1 credit hour

321. Advanced Conducting
The course is designed to develop conducting skills, rehearsal technique, and score reading ability. Students gain practical experience in conducting an ensemble along with their classroom work. Offered as demand warrants.
Prerequisite: Music 222.

2 credit hours

324. Introduction to Orchestral Instruments
Emphasis is placed on elementary performing ability on string, wind, and percussion instruments sufficient to teach students effectively in elementary and secondary school performing groups. Four semesters of instruments are required (one hour credit per semester) with variable emphasis according to the needs of the prospective teacher.

4 credits total

343. Practicum in Church Music
Supervised practical experience in the music program of a church. Development of leadership skills in vocal and instrumental music emphasized.
Prerequisite: Junior standing.

3 credit hours

350. Individual Study in Music
An advanced individual study course. The subject matter is variable according to the needs of the student.

3 credit hours

351-352. Senior Thesis
Individual study, with the guidance of a faculty supervisor. Ordinarily taken the spring term of the junior year and the fall term of the senior year.

6 credit hours

401. Literature in the Applied Field I
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. Offered as demand warrants.

1 credit hour

402. Literature in the Applied Field II
A continuation of Music 401. Offered as demand warrants.

1 credit hour

Applied Music

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One and one-half credit hours per semester are earned for a half-hour lesson and at least five hours practice per week. Three credit hours per semester are earned for an hour lesson or two half-hour lessons and at least 10 hours practice per week.

Composition
Development of basic techniques in the structure and craft of musical composition.Writing in all forms according to individual abilities.
Prerequisite: Music 102.

Guitar
Proper foundation for right and left hand techniques. Emphasis on classical etudes and tone production. Repertoire ranging from early lute music to contemporary guitar compositions.

Harpsichord
Manual techniques and principles of registration. Study of ornamentation, phrasing, and various tonal attacks. Repertoire to include recitative and aria accompaniment style in such works as Handel's "Messiah" and other works as specified by the instructor.

Organ
Manual and pedal technique. Proficiency in contrapuntal style and fundamental principles of registration. A minimum standard repertoire specified by the instructor, covering representative style. Accompanying of hymns, anthems, service music, and soloists.

Percussion
Studies in snare drum, tympani, and mallet instruments, including solo and orchestral literature. A minimum standard repertoire covering representative styles, specified by the instructor.

Piano
Proficiency in all major and minor scales and basic keyboard techniques, pedaling, tone production and phrasing, selected etudes, and a minimum standard repertoire. Accompanying experience.

String Instruments (Violin, Viola, Cello, Double Bass)
Selected studies adapted to the individual needs of the student. A minimum standard repertoire for solo and orchestral media covering representative styles, specified by the instructor.

Voice
Development and control of the mechanism, tone building, controlled breathing, and the physical activity of singing. A minimum standard repertoire specified by the instructor, covering representative styles.

Wind Instruments (Brasses, Woodwinds)
Basic fundamentals and techniques in study methods for the particular instrument. A minimum standard repertoire in solo and orchestral media, covering representative styles, specified by the instructor.

Ensemble Credit
The Maryville College Concert Choir, the Maryville College-Community Orchestra and the Wind Ensemble are open to all students. One credit hour per semester may be earned by participation in one of these organizations.

The Bachelor of Science in Health Care

Dual Degrees with the B.S. in Nursing or the M.S. in Nursing

Ms. Craig, Ms. Miller

The Bachelor of Science in Health Care is a degree awarded by Maryville College to students who complete one of two available dual-degree programs in nursing. These programs are offered in cooperation with Vanderbilt University and the University of Tennessee, Knoxville.

The curriculum includes three principle elements: general education, major-related subjects, and courses in nursing theory and clinical practice. The general education courses have as their purpose the development of the intellectual and communications skills, the breadth of perspective, and the individual attributes necessary for personal effectiveness and continuing growth. The major-related courses, most of which are in the natural and social sciences, serve as the foundation for upper-level study in professional nursing.

The courses in nursing help the student master critical knowledge and clinical skills, develop essential sensitivities and self-confidence, and understand the evolving role of the professional nurse in health care systems. Clinical nursing courses are taught at the University of Tennessee, Knoxville or Vanderbilt University using suitable classroom and area-wide clinical facilities.

B.S./M.S.N.: Maryville College and Vanderbilt University, Senior Year in Absentia

The program of study leading to the Bachelor of Science in Health Care from Maryville College and the Master of Science in Nursing from Vanderbilt University consists of six semesters (three academic years) at Maryville followed by six semesters (two academic years and two summers) at Vanderbilt. All general education and major-related courses and a total of 96 credit hours must be completed by the end of the junior year at Maryville. During the junior year, the student makes application to Vanderbilt; admission is determined entirely by Vanderbilt University. Following the fourth year and after the completion of 128 credit hours, the student receives the B.S. in Health Care from Maryville

College; the M.S.N. is then completed at Vanderbilt.

General Education Requirements

English 130
Inquiry/Orientation 110
History 180 or 190
Religion 230 or 240
English 270
Mathematics 120
African Studies 310 or East Asian Studies 320
Fine Arts 210
Humanities 390
(Two Interims required)

Major-related Requirements

Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology or
Sociology 211: Cultural Anthropology
Chemistry 117/118: Fundamentals of Chemistry I and II
Biology 217/218: Anatomy and Physiology I and II
Chemistry 119: Nutritional Biochemistry
Physical Education 101: Human Health and Development
Biology 219: Microbiology
Mathematics 221: Inferential Statistics

A total of 96 credit hours must be completed at Maryville College. Recommended electives include courses in a foreign language, economics, management, psychology, sociology and physical education.

B.S./B.S.N.: Maryville College and the University of Tennessee, Knoxville

The program of study leading to the Bachelor of Science in Health Care from Maryville College and the Bachelor of Science in Nursing from the University of Tennessee consists of eight semesters, four at Maryville and four at UT. General education, major-related, and a few major courses are completed at Maryville, while most courses in nursing are taken at the University. During the junior and senior years, students are enrolled at both institutions.

At the end of fall semester of the sophomore year, students are required to make application to the University of Tennessee, Knoxville and apply for admission into upper division nursing courses. Admission is determined entirely by the University of Tennessee. Dual-degree students are considered for admission from the pool of applicants. Entrance is based on GPA and space availability. Students are required to adhere to the policies of both institutions. Tuition will be paid to Maryville College.

The total curriculum for the B.S./B.S.N., requiring at least 128 credit hours, is tightly structured and highly sequential. For that reason, clarity of purpose, high motivation, and thoughtful planning are necessary to normal degree progress. To insure that courses are scheduled at

the proper time, students are encouraged to consult regularly with the Director of Nursing Education or another designated adviser.

General Education Requirements

English 130
Inquiry/Orientation 110
History 180 and 190
English 270
Mathematics 120
African Studies 310 or East Asian Studies 320
Fine Arts 210
Humanities 390

Major-related Requirements

Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology
Chemistry 117/118: Fundamentals of Chemistry I and II
Biology 217/218: Anatomy & Physiology I and II
Chemistry 119: Nutritional Biochemistry
Physical Education 101: Human Health and Development
Biology 219: Microbiology

Courses in Nursing

Nursing 203: Health Assessment
Nursing 301: Pharmacology*
Nursing 302: Introduction to Professional Nursing*
Nursing 311: Acute Care Nursing*
Nursing 351-352: Senior Thesis and Research in Nursing
Nursing 401: Family Health Nursing*
Nursing 403: Community Health Nursing*
Nursing 404: Nursing Management and Strategies*
Nursing 411: Psychosocial Long-term Nursing*

*Denotes courses taken at the University of Tennessee, Knoxville. See catalog for course descriptions.

203. Health Assessment
Focus is on the use of interviewing and physical assessment techniques to form a data base on which to begin the use of appropriate nursing systems. Normal findings are emphasized as they are found in various age groups. Common deviations will be discussed. Clinical experience will be provided in the classroom lab and other selected populations.
Prerequisites: Psychology 101, Sociology 101 and Biology 217/218.
2 credit hours

351-352. Senior Thesis and Research in Nursing
Introduction to research methodologies specific to nursing, based on the scientific method. Individual study with guidance of a faculty member, culminating in a formal research paper. Taken during fall and spring semesters of the senior year.
6 credit hours

Directory
Officers and Faculty
1990-91

(The year noted is that of first appointment)

Principal Administrative Officers

RICHARD I. FERRIN
President (1987)
B.A., Barrington College; Ed.M., Rhode Island College; Ph.D., Stanford University.

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Academic Vice President and Dean of the Faculty (1979)
B.A., Hanover College; M.Div., Princeton Theological Seminary; Ph.D., Vanderbilt University.

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SUE K. WYATT
Vice President for Student Life (1988)
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Dean of Admissions and Enrollment Management (1988)
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Administrators Emeriti

JOSEPH J. COPELAND
President Emeritus (1961)
B.A., Trinity University; B.D., McCormick Theological Seminary; Honorary Degrees: D.D., Trinity University; LL.D., Maryville College.

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Faculty

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Adjunct Faculty

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Additional academic information on class meeting times and places is available in the separate MC course schedule booklet published by the Registrar's Office. Students should consult the MC *Student Handbook* for policy and regulations relating to student conduct and conditions for dismissal for unsatisfactory conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of Student Life, and copies of the grievance procedure are available from that office.

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Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Anderson Hall, 981-8000. Charges of violation of the above policy should also be directed to the President's Office.

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